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May 24, 2017

Ms. Joyce Munie, P.E.
Manager, Permit Section
Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62794

Submittal of Corrected Information
Groundwater Monitoring Report –3rd Quarter 2013
Roxana, Illinois
1191150002 – Madison County
Equilon Enterprises LLC d/b/a Shell Oil Products US
Log No. B-43R

Dear Ms. Munie:

On behalf of Shell Oil Products US (SOPUS), AECOM Technical Services, Inc. (AECOM) hereby submits the enclosed addendum to the above-referenced report (the Report).

AECOM collects a variety of samples for SOPUS as part of the work performed in connection with the above-referenced site including the samples referenced and utilized in the Report. AECOM contracts with independent laboratories to analyze the samples collected. As noted in SOPUS' initial disclosure letter and our subsequent communications, Accutest Laboratories (Accutest) issued revised laboratory analyses in response to an internal evaluation performed of its process. Please note, the majority of the corrected analyses were issued only to include a revised footnote and the numeric value of the analytical results reported remained unchanged. If any numeric values of analytical results presented in the Report were updated by Accutest, the updated results are presented as part of the information included in the Report addendum. Moreover, based upon our evaluation of the Report and the revised information received from Accutest, the conclusion(s) of the Report as originally issued are unaffected.

The information provided within and the format of this addendum is as discussed during our meeting with IEPA on March 23, 2017. This addendum includes the following information:

- IEPA LPC form
- Data Review Addendum Table (summarizing changed information)
- Revised analytical results table
- Revised laboratory reports (on CD)

If you have any questions during your review, please contact Kevin Dyer, SOPUS Senior Principal Program Manager, at kevin.dyer@shell.com (618/288-7237), or Bob Billman at bob.billman@aecom.com (314/743-4108).

Sincerely,

AECOM, on behalf of Shell Oil Products US

Robert Billman, PG
Senior Project Manager

Robert E. Mooshegian, CHMM
Senior Program Manager

Enclosures: 2 copies

cc: Kevin Dyer, SOPUS
Eric Petersen, Phillips 66
Shannon Haney, Greensfelder, Hemker & Gale P.C.
Repositories – Village Hall, Roxana Public Library, website
Project File

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

This form must be used as a cover sheet for the notices and reports, identified below as required by: (1) a facility's RCRA interim status closure plan; (2) the RCRA interim status regulations; or (3) a facility's RCRA permit. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form is for use by Hazardous Waste facilities only. Reporting for Solid Waste facilities should be submitted on a separate form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form is not to be used with permit or closure plan modification requests. The facility's approved permit or closure plan will state whether the document you are submitting is required as a report or a modification request.

Facility Name: Equilon Enterprises LLC dba Shell Oil Products US

Facility Address: 900 South Central Ave., Roxana, IL 62048

Site ID #: 1191150002 Fed ID #: ILD 080 012 305

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

☐ LPC-160 Forms

Groundwater	Leachate
____ Quarterly - Enter: 1, 2, 3, or 4	____ Quarterly - Enter: 1, 2, 3, or 4
☐ Semi-Annual	☐ Semi-Annual
☐ Annual	☐ Annual
☐ Biennial	☐ Biennial

☐ Groundwater Data (without LPC-160 Forms)

____ Quarterly - Enter: 1, 2, 3, or 4 ☐ Annual ☐ Semi-Annual ☐ Biennial

☐ Well Construction Information

- ☐ Well Construction Forms, Boring Logs and/or Abandonment Forms
- ☐ Well Survey Data (e.g., Stick-up Elevation Data)

☐ Notice of Statistically Significant Evidence of Groundwater Contamination (35 Ill. Adm. Code 724.198)

☐ Notice of Exceedence of Groundwater Concentration Limit (35 Ill. Adm. Code 724.199(h))

☐ Notice of Alternate Source or Error in Sampling Analysis or Evaluation of Groundwater (35 Ill. Adm. Code 724.199(i))

☐ Gas Monitoring Reports

☑ Other (identify)

1Q13, 2Q13, 3Q13, and 4Q13 Groundwater Sampling Report Addenda - Addenda being issued due to revised laboratory reports.

Analytical Method	Sample ID	Lab Sample ID	Sample Date	Analyte	Original Result	Corrected Result	Laboratory Qualifier	Units	Laboratory Footnote	AECOM Qualifier
SW846 8260B	MW16-ROX-070813	MC22534-6	07/08/2013	Bromomethane	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW24-ROX-071113	MC22664-1	07/11/2013	Acetone	15.7	15.7		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	P54-ROX-071113	MC22664-2	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW3-ROX-071113	MC22664-3	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW2-ROX-071113	MC22664-5	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	ROST4PZC-ROX-071113	MC22664-6	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	ROST3MW-ROX-071113	MC22664-7	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW22-ROX-071113	MC22664-8	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ

Analytical Method	Sample ID	Lab Sample ID	Sample Date	Analyte	Original Result	Corrected Result	Laboratory Qualifier	Units	Laboratory Footnote	AECOM Qualifier
SW846 8260B	MW22-ROX-071113-DUP	MC22664-9	07/11/2013	Acetone	ND	ND		ug/l	Ana: Continuing Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P56-ROX-071513	MC22754-1	07/15/2013	Acrolein	ND	ND		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P74-ROX-071513	MC22754-2	07/15/2013	Acrolein	ND	ND		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW4-ROX-071713	MC22808-1	07/17/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW4-ROX-071713	MC22808-1	07/17/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW4-ROX-071713	MC22808-1	07/17/2013	Methyl Tert Butyl Ether	55.9	55.9		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	MW4-ROX-071713	MC22808-1	07/17/2013	Vinyl Acetate	39.2	39.2		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	MW7-ROX-071713	MC22808-2	07/17/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ

Analytical Method	Sample ID	Lab Sample ID	Sample Date	Analyte	Original Result	Corrected Result	Laboratory Qualifier	Units	Laboratory Footnote	AECOM Qualifier
SW846 8260B	MW7-ROX-071713	MC22808-2	07/17/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW7-ROX-071713	MC22808-2	07/17/2013	Methyl Tert Butyl Ether	3.1	3.1		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	MW7-ROX-071713	MC22808-2	07/17/2013	Vinyl Acetate	9.4	9.4		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	MW8-ROX-071713	MC22808-3	07/17/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW8-ROX-071713	MC22808-3	07/17/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW8-ROX-071713	MC22808-3	07/17/2013	Methyl Tert Butyl Ether	197	197		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	MW8-ROX-071713	MC22808-3	07/17/2013	Vinyl Acetate	ND	ND		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW8-ROX-071713-DUP	MC22808-4	07/17/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ

Analytical Method	Sample ID	Lab Sample ID	Sample Date	Analyte	Original Result	Corrected Result	Laboratory Qualifier	Units	Laboratory Footnote	AECOM Qualifier
SW846 8260B	MW8-ROX-071713-DUP	MC22808-4	07/17/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	MW8-ROX-071713-DUP	MC22808-4	07/17/2013	Methyl Tert Butyl Ether	187	187		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	MW8-ROX-071713-DUP	MC22808-4	07/17/2013	Vinyl Acetate	ND	ND		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93B-ROX-071813	MC22834-1	07/18/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93B-ROX-071813	MC22834-1	07/18/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93B-ROX-071813	MC22834-1	07/18/2013	Methyl Tert Butyl Ether	3.5	3.5		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	P93B-ROX-071813	MC22834-1	07/18/2013	Vinyl Acetate	17.6	17.6		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	P93C-ROX-071813	MC22834-2	07/18/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ

Analytical Method	Sample ID	Lab Sample ID	Sample Date	Analyte	Original Result	Corrected Result	Laboratory Qualifier	Units	Laboratory Footnote	AECOM Qualifier
SW846 8260B	P93C-ROX-071813	MC22834-2	07/18/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93C-ROX-071813	MC22834-2	07/18/2013	Methyl Tert Butyl Ether	4.9	4.9		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J
SW846 8260B	P93C-ROX-071813	MC22834-2	07/18/2013	Vinyl Acetate	ND	ND		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93A-ROX-071813	MC22834-3	07/18/2013	cis-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93A-ROX-071813	MC22834-3	07/18/2013	trans-1,3-Dichloropropene	ND	ND		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	UJ
SW846 8260B	P93A-ROX-071813	MC22834-3	07/18/2013	Methyl Tert Butyl Ether	5.4	5.4		ug/l	Ana: Continuing Calibration outside of acceptance criteria. Sample result may be biased low.	J

Analytical Method	Sample ID	Lab Sample ID	Sample Date	Analyte	Original Result	Corrected Result	Laboratory Qualifier	Units	Laboratory Footnote	AECOM Qualifier
SW846 8260B	P93A-ROX-071813	MC22834-3	07/18/2013	Vinyl Acetate	ND	ND		ug/l	Ana: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.	UJ

LABORATORY QUALIFIERS:

ND = Not detected.

AECOM QUALIFIERS:

J = The result is estimated.

UJ = Estimated nondetect.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
MW-01	MW-1-111110	11/11/2010	43.41 - 58.41	36.91	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW-1-111110-Dup	11/11/2010		36.91	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW1-ROX-011711	1/17/2011		37.58	NE	<0.039 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW1-ROX-042911	4/29/2011		38.37	NE	<0.0145 U	0.0363	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-072711	7/27/2011		35.77	NE	<0.005	0.0053	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-120511	12/5/2011		37.10	NE	<0.005 UJ	0.00097	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-011612	1/16/2012	48.80 - 58.80	37.75	NE	<0.005	0.0142	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-050112	5/1/2012		39.09	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-073012	7/30/2012		39.39	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-102612	10/26/2012		41.22	NE																	
	MW1-ROX-121712	12/17/2012		41.22	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-011013	1/10/2013		41.89	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-040913	4/9/2013		42.55	NE	<0.005	0.0004 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW1-ROX-070813	7/8/2013	48.80 - 58.80	39.56	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
MW-02	MW-2-111010	11/11/2010	47.19 - 62.19	38.12	NE	<0.5	0.401	<0.025	<0.025	<0.025	<0.25	<0.025	<0.025	<0.05	<0.025	<0.05	<0.025	<0.025		0.641		<0.025
	MW2-ROX-011711	1/17/2011		38.67	NE	<0.005	0.294	0.0078	0.0047 J	<0.005	<0.005	<0.001	<0.001	0.0077	<0.001	0.0019 J	<0.005	0.0032 J		0.74		<0.005
	MW02-ROX-051011	5/10/2011		39.14	NE	<0.005	1.18	<0.005	0.0029 J	0.0012 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0027 J	<0.025	1.24	<0.005	<0.005
	MW2-ROX-072711	7/27/2011		37.04	NE	<0.05	1.98	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	1.76	<0.05	<0.05
	MW2-ROX-072711-DUP	7/27/2011		37.04	NE	<0.05	1.79	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	1.57	<0.05	<0.05
	MW2-ROX-112811	11/28/2011	49.87 - 59.87	38.03	NE	<0.005	0.0216	<0.005	0.0106	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0121	<0.025	0.503	<0.005	<0.005
	MW2-ROX-011612	1/16/2012		38.89	NE	<0.025	0.0161	<0.025	<0.025	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025	<0.13	0.777	<0.025	<0.025
	MW2-ROX-050112	5/1/2012		40.25	NE	<0.025	0.0145	<0.025	0.0068 J	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	0.008 J	<0.13	0.948	<0.025	<0.025
	MW2-ROX-073012	7/30/2012		40.60	NE	<0.005	0.01	<0.005	0.0078	0.001 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.009	<0.025	0.952	<0.005	<0.005
	MW2-ROX-102612	10/26/2012		42.35	NE	<0.025 UJ	0.0142	<0.025	<0.025	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	0.0172 J	<0.025	<0.13	0.763	<0.025	<0.025
	MW2-ROX-011113	1/11/2013		42.94	NE	<0.01	0.0192	0.0176 J	0.0077 J	0.002 J	<0.01	<0.002	<0.002	0.0083	<0.002	<0.004	<0.01	0.0094 J	<0.05	0.676	<0.01	<0.01
	MW2-ROX-040913	4/9/2013		43.70	NE	<0.05	0.0174	0.0191 J	0.0085 J	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	0.0101 J	<0.13	0.91	<0.025	<0.025
	MW2-ROX-071113	7/11/2013	49.87 - 59.87	40.82	NE	<0.01 UJ	0.006	<0.005	0.0073	0.0029 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0075	R	1.57	<0.005	<0.005
MW-03	MW-3-111210	11/12/2010	30.98 - 45.98	24.05	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW3-ROX-011811	1/18/2011		24.92	NE	<0.005	0.00056	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	0.00077 J	<0.001	0.00082 J	<0.005	<0.005		0.00082 J		<0.005
	MW03-ROX-051011	5/10/2011		24.79	NE	<0.005	0.013	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-080311	8/3/2011		22.72	NE	<0.005	0.00056	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-112911	11/29/2011	34.67 - 44.67	24.06	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-112911-DUP	11/29/2011		24.06	NE	<0.005	0.00052	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-011612	1/16/2012		24.93	NE	<0.005	0.00091	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-043012	4/30/2012		26.19	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-072712	7/27/2012		26.60	NE	<0.005 UJ	0.0089	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.002 UJ	<0.001	<0.002	<0.005	<0.005		<0.001	<0.005	<0.005
	MW3-ROX-102512	10/25/2012		28.39	NE	<0.005 UJ	0.0017	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-010913	1/9/2013		29.35	NE	<0.005	0.0014	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-040813	4/8/2013		29.74	NE	<0.005 UJ	0.008	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW3-ROX-071113	7/11/2013	34.67 - 44.67	26.32	NE	<0.01 UJ	0.0059	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-04	MW-4-111210	11/12/2010	42.63 - 57.63	35.38	NE	<0.1	0.0752	<0.005	0.001 J	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW4-ROX-011811	1/18/2011		36.04	NE	<0.005	0.0567	0.0006 J	0.00063 J	0.00069 J	<0.005	<0.001	<0.001	0.00096 J	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW04-ROX-051111	5/11/2011		36.19	NE	<0.005	0.0625	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW4-ROX-072611	7/26/2011		34.15	NE	<0.005	0.114	<0.005	0.0058	0.0063	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0023	<0.005	<0.005
	MW4-ROX-072611-DUP	7/26/2011		34.15	NE	<0.005	0.108	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0021	<0.005	<0.005
	MW4-ROX-121511	12/15/2011		33.99	NE	<0.005	0.0381	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW4-ROX-011612	1/16/2012	46.06 - 56.06	36.00	NE	<0.005	0.115	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	0.0017 J	<0.005
	MW4-ROX-050312	5/3/2012		37.45	NE	<0.005	0.0941	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW4-ROX-050312-DUP	5/3/2012		37.45	NE	<0.063 U	0.0933	<0.005	<0.005	0.0012 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW4-ROX-072512	7/25/2012		37.63	NE	<0.005	0.191	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00082 J	<0.005	<0.005 UJ
	MW4-ROX-072512-Dup	7/25/2012		37.63	NE	<0.005	0.199	0.0014 J	0.0017 J	0.002 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00083 J	<0.005	<0.005 UJ
	MW4-ROX-102912	10/29/2012		39.45	NE	<0.01 UJ	0.354	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004 UJ	<0.01	<0.01	<0.05	<0.002	<0.01	<0.01
	MW4-ROX-011113	1/11/2013		40.20	NE	<0.005	9.04 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00052 J	<0.005	<0.005
	MW4-ROX-011113-DUP	1/11/2013		40.20	NE	<0.005	8.96 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00056 J	<0.005	<0.005
	MW4-ROX-030413	3/4/2013		40.20	NE	<0.5	21.4	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	<0.1	<0.5	<0.5
	MW4-ROX-040913	4/9/2013		40.90	NE	<0.02	64.2	<0.01	<0.01	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	<0.01	<0.05	<0.002	<0.01	<0.01
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.01	72.9	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00081 J	<0.005	<0.005
	MW4-ROX-071713	7/17/2013	46.06 - 56.06	37.61	NE	<0.01	12.2	<0.005	0.0016 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.05	0.0015	<0.005	<0.005
MW-05	MW-5-111210	11/12/2010	31.13 - 46.13	23.32	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW5-ROX-011811	1/18/2011		24.15	NE	<0.0344 U	0.0048	<0.005	<0.005	0.0014 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW05-ROX-051211	5/12/2011		23.98	NE	<0.005 UJ	0.0055	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-072611	7/26/2011		22.00	NE	<0.005	0.0222	0.0054	0.0061	0.0078	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-072611-DUP	7/26/2011		22.00	NE	<0.005	0.0221	0.0054	0.0061	0.0078	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-112111	11/21/2011	33.97 - 43.97	23.46	NE	<0.005 UJ	0.0109	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001	<0.005	<0.005
	MW5-ROX-011712	1/17/2012		24.76	NE	<0.005	0.0442	<0.005	<0.005	0.0057	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-050312	5/3/2012		25.89	NE	<0.005	0.0532	<0.005	0.0029 J	0.0073	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0014 J	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-072512	7/25/2012		26.18	NE	<0.005	0.0925	<0.005	0.0015 J	0.007	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.00099 J	<0.025	<0.001	<0.005	<0.005 UJ
	MW5-ROX-102912	10/29/2012		28.16	NE	<0.005 UJ	0.0628	<0.005	<0.005	0.0059	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-011113	1/11/2013		28.75	NE	<0.005	0.0072	<0.005	0.0016 J	0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-040913	4/9/2013		29.41	NE	<0.005	0.0018	<0.005	0.0018 J	0.0063	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW5-ROX-070913	7/9/2013	33.97 - 43.97	26.04	NE	<0.01	0.0075	<0.005	<0.005	0.0085	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005

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						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
MW-06A	MW-6A-110910	11/9/2010	31.98 - 46.98	25.62	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW6A-ROX-011911	1/19/2011		26.36	NE	<0.0135 U	0.0113	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW6A-ROX-051611	5/16/2011		26.10	NE	<0.005 UJ	0.0031	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-072611	7/26/2011		23.76	NE	<0.005 U	0.0032	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-112111	11/21/2011	34.83 - 44.83	25.49	NE	<0.0059 UJ	0.0105 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001	<0.005	<0.005
	MW6A-ROX-112111-DUP	11/21/2011		25.49	NE	<0.005 UJ	0.0137 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001	<0.005	<0.005
	MW6A-ROX-011712	1/17/2012		26.74	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-050212	5/2/2012		27.77	NE	<0.005	0.00077	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-080112	8/1/2012		28.36	NE	<0.005	0.0016	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-102412	10/24/2012		30.06	NE	<0.12 UJ	0.00073	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-011413	1/14/2013		31.00	NE	<0.005	0.0276	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-040313	4/3/2013		31.62	NE	<0.005 UJ	0.0017	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6A-ROX-070913	7/9/2013	34.83 - 44.83	28.25	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005
MW-06B	MW-6B-111610	11/16/2010	64.05 - 69.05	25.47	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW6B-ROX-011911	1/19/2011		26.21	NE	<0.005	0.0082	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW6B-ROX-011911-DUP	1/19/2011		26.21	NE	<0.005	0.0082	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		0.0014 J
	MW6B-ROX-051611	5/16/2011		25.95	NE	<0.005 UJ	0.0033	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-051611-DUP	5/16/2011		25.95	NE	<0.005 UJ	0.0033	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-072311	7/23/2011		23.60	NE	<0.005 UJ	0.0022	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-110311	11/3/2011		24.67	NE	<0.05	0.961	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02 UJ	<0.05	<0.05	<0.25	<0.01	<0.05	<0.05
	MW6B-ROX-011712	1/17/2012		26.77	NE	<0.005	0.0013	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-050212	5/2/2012		27.82	NE	<0.005	0.00086	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-080112	8/1/2012		28.39	NE	<0.0032 UJ	0.00045 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-102412	10/24/2012		30.11	NE	<0.005 UJ	0.0015	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-011713	1/17/2013		31.11	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-040313	4/3/2013		31.68	NE	<0.005 UJ	0.00043 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6B-ROX-070913	7/9/2013	64.05 - 69.05	28.25	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005
MW-06C	MW-6C-111610	11/16/2010	84.95 - 89.95	25.25	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW6C-ROX-012111	1/21/2011		25.97	NE	<0.005	0.0085	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW6C-ROX-051611	5/16/2011		25.76	NE	<0.005 UJ	0.0071	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-072411	7/24/2011		23.43	NE	<0.005 UJ	0.0027	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-110311	11/3/2011		24.47	NE	<0.005	0.0017	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-011712	1/17/2012		26.50	NE	<0.005	0.0028	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-050212	5/2/2012		27.62	NE	<0.005	0.0015	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-080112	8/1/2012		28.15	NE	<0.003 UJ	0.00061	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-102412	10/24/2012		27.85	NE	<0.005 UJ	0.00035 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-011713	1/17/2013		30.88	NE	<0.005 UJ	<0.0005 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.005 UJ	<0.025 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ
	MW6C-ROX-040313	4/3/2013		31.41	NE	<0.005 UJ	0.00062	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6C-ROX-070913	7/9/2013	84.95 - 89.95	28.03	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
MW-06D	MW-6D-111610	11/16/2010	104.72 - 109.72	25.13	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW6D-ROX-012111	1/21/2011		25.87	NE	<0.005	0.0104	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW6D-ROX-051611	5/16/2011		25.60	NE	<0.005 UJ	0.002	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-072311	7/23/2011		23.29	NE	<0.005 UJ	0.0027	<0.005	<0.005	<0.005	0.007	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-110311	11/3/2011		24.31	NE	<0.005	0.013	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-011712	1/17/2012		26.33	NE	<0.005	0.0022	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-050212	5/2/2012		27.45	NE	<0.005	0.0015	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-080212	8/2/2012		30.56	NE	<0.005 UJ	0.00068	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001	<0.005	<0.005
	MW6D-ROX-102412	10/24/2012		29.71	NE	<0.005 UJ	0.00055	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-011713	1/17/2013		30.75	NE	<0.005 UJ	0.00053 J	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.005 UJ	<0.025 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ
	MW6D-ROX-040313	4/3/2013		31.27	NE	<0.005 UJ	0.00055	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW6D-ROX-070913	7/9/2013	104.72 - 109.72	27.91	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005
MW-07	MW-7-111710	11/17/2010	42.92 - 52.92	36.93	NE	<25	928 D	<1.25	<1.25	<1.25	<12.5	<1.25	<1.25	<2.5	<1.25	<2.5	<1.25	<1.25		<1.25		<1.25
	MW-7-111710-Dup	11/17/2010		36.93	NE	<25	876 D	<1.25	<1.25	<1.25	<12.5	<1.25	<1.25	<2.5	<1.25	<2.5	<1.25	<1.25		<1.25		<1.25
	MW7-ROX-012511	1/25/2011		37.52	NE	<0.005 UJ	1150 J	0.0015 J J	0.0011 J J	0.0012 J J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.005 UJ		0.0325 J		<0.005 UJ
	MW07-ROX-051311	5/13/2011		37.50	NE	<0.005 UJ	1030 J	<0.005 UJ	0.0011 J J	0.0016 J J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.005 UJ	<0.025 UJ	0.0494 J	<0.005 UJ	<0.005 UJ
	MW07-ROX-051311D	5/13/2011		37.50	NE	<0.005	922 J	<0.005	0.0013 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0487	<0.005	<0.005
	MW7-ROX-072411	7/24/2011		35.65	NE	<25 UJ	1840	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<130	<5	<25	<25
	MW-7-ROX-110211	11/2/2011		35.95	NE	<5	774	<5	<5	<5	<5	<1	<1	<2	<1	<2 UJ	<5	<5	<25	<1	<5	<5
	MW7-ROX-011812	1/18/2012		38.10	NE	<0.166 U	1330 J	0.0026 J	0.0021 J	0.003 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0727	<0.005	<0.005
	MW7-ROX-011812-DUP	1/18/2012		38.10	NE	<0.146 U	1110	0.0027 J	0.0022 J	0.0029 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0015 J	<0.025	0.0718	<0.005	<0.005
	MW7-ROX-050412	5/4/2012		39.19	NE	<0.5	738	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	<0.1	<0.5	<0.5
	MW7-ROX-080712	8/7/2012		39.50	NE	0.199 J	591 J	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	0.0619	<0.05	<0.05
	MW7-ROX-103012	10/30/2012		41.23	NE	<10 UJ	833	<10	<10	<10	<10	<2	<2	<4	<2	<4 UJ	<10	<10	<50	<2	<10	<10
	MW7-ROX-103012-DUP	10/30/2012		41.23	NE	<10 UJ	863	<10	<10	<10	<10	<2	<2	<4	<2	<4 UJ	<10	<10	<50	<2	<10	<10
	MW7-ROX-011513	1/15/2013		42.21	NE	<20	1230	<20	<20	<20	<20	<4	<4	<8	<4	<8	<20	<20	<100	<4	<20	<20
	MW7-ROX-011513-DUP	1/15/2013		42.21	NE	<20	1320	<20	<20	<20	<20	<4	<4	<8	<4	<8	<20	<20	<100	<4	<20	<20
	MW7-ROX-041013	4/10/2013		42.70	NE	<20	475	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<50	<2	<10	<10
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	<20	499	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<50	<2	<10	<10
	MW7-ROX-071713	7/17/2013	42.92 - 52.92	39.60	NE	<0.01	1000 J	<0.005	0.0023 J J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0016 J J	<0.05	0.2 J	<0.005	<0.005

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						VOCs															
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-08	MW-8-111710	11/17/2010	33.60 - 43.60	27.84	NE	<25	965 D	<1.25	<1.25	<1.25	<12.5	<1.25	<1.25	<2.5	<1.25	<2.5	<1.25	<1.25		<1.25		<1.25
	MW8-ROX-012511	1/25/2011		28.59	NE	<0.0469 U	986	0.0021 J J	0.0014 J J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	0.0012 J J		0.234 J		<0.005 UJ
	MW8-ROX-012511-DUP	1/25/2011		28.59	NE	<0.0403 U	1030	0.002 J J	0.0014 J J	0.0011 J J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	0.001 J J		0.237 J		<0.005 UJ
	MW08-ROX-051311	5/13/2011		28.35	NE	<50	1310	<50	<50	<50	<50	<10	<10	<20	<10	<20	<50	<50	<250	<10	<50	<50
	MW08-ROX-051311D	5/13/2011		28.35	NE	<5	952 J	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<25	<1	<5	<5
	MW8-ROX-072411	7/24/2011		26.02	NE	<25	1650	<25	<25	<25	<25	<5	<5	<10	<5	<10 UJ	<25	<25	<130	<5	<25	<25
	MW8-ROX-072411-DUP	7/24/2011		26.02	NE	<25 UJ	1860	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<130	<5	<25	<25
	MW-8-ROX-110211	11/2/2011		27.02	NE	<5	934	<5	<5	<5	<5	<1	<1	<2	<1	<2 UJ	<5	<5	<25	<1	<5	<5
	MW8-ROX-011812	1/18/2012		29.15	NE	<0.005	386	0.0043 J	0.003 J	0.002 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0022 J	<0.025	0.285	<0.005	<0.005
	MW8-ROX-050412	5/4/2012		30.21	NE	<0.5	1070	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	0.393	<0.5	<0.5
	MW8-ROX-050412-DUP	5/4/2012		30.21	NE	<0.5	1040	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	0.396	<0.5	<0.5
	MW8-ROX-080712	8/7/2012		30.97	NE	<0.378 UJ	397 J	<0.1	<0.1	<0.1	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1	<0.5	0.249	<0.1	<0.1
	MW8-ROX-080712-DUP	8/7/2012		30.97	NE	<0.235 UJ	653 J	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	0.232	<0.05	<0.05
	MW8-ROX-103012	10/30/2012		32.32	NE	<5 UJ	523	<5	<5	<5	<5	<1	<1	<2	<1	<2 UJ	<5	<5	<25	<1	<5	<5
	MW8-ROX-011513	1/15/2013		33.30	NE	<10	1120 J	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<50	<2	<10	<10
	MW8-ROX-041013	4/10/2013		33.77	NE	<50	969	<25	<25	<25	<25	<5	<5	<10	<5	<10	<25	<25	<130	<5	<25	<25
	MW8-ROX-071713	7/17/2013	33.60 - 43.60	30.43	NE	<0.008 U	532	<0.005	0.0033 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0023 J	<0.05	0.508	<0.005	<0.005
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	<0.01	494	<0.005	0.0031 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0024 J	<0.05	0.442 J	<0.005	<0.005
MW-09	MW-9-111510	11/15/2010	46.45 - 56.45	39.00	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW9-ROX-012111	1/21/2011		39.62	NE	<0.005	0.0037	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW09-ROX-050611	5/6/2011		40.12	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-072311	7/23/2011		38.06	NE	<0.005 UJ	0.0024	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-110111	11/1/2011		37.78	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-011612	1/16/2012		39.50	NE	<0.005	0.0031	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-050312	5/3/2012		41.03	NE	<0.005	0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-072712	7/27/2012		41.30	NE	<0.005 UJ	0.00058	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005		<0.001	<0.005	<0.005
	MW9-ROX-102912	10/29/2012		43.17	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-011113	1/11/2013		43.90	NE	<0.123 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-040913	4/9/2013		44.67	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW9-ROX-070813	7/8/2013	46.45 - 56.45	42.35	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
MW-10	MW-10-111010	11/10/2010	44.43 - 54.43	38.97	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW10-ROX-012411	1/24/2011		39.40	NE	<0.0122 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW10-ROX-012411-DUP	1/24/2011		39.40	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW10-ROX-042811	4/28/2011		40.20	NE	<0.0088 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-072311	7/23/2011		38.01	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-110111	11/1/2011		37.72	NE	<0.005	0.0022	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-011612	1/16/2012		39.28	NE	<0.005	0.0026	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-050112	5/1/2012		40.86	NE	<0.005	0.00079	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-072712	7/27/2012		41.21	NE	<0.005 UJ	0.00058	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005		<0.001	<0.005	<0.005
	MW10-ROX-102612	10/26/2012		43.08	NE																	
	MW10-ROX-121712	12/17/2012		43.08	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	0.00095 J	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-011013	1/10/2013		44.10	NE	<0.101 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	0.0074	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-012113	1/21/2013		44.10	NE	<0.025	0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.001	<0.01	<0.005	<0.005		<0.005	<0.005	<0.005
	MW10-ROX-040913	4/9/2013		44.60	NE	<0.005	0.00067	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW10-ROX-070813	7/8/2013	44.43 - 54.43	42.27	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
MW-11	MW-11-111710	11/17/2010	41.66 - 51.66	36.39	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	MW11-ROX-012411	1/24/2011		37.15	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW11-ROX-050611	5/6/2011		37.60	NE	<0.005	0.00041 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-072411	7/24/2011		34.3	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW-11-ROX-110211	11/2/2011		35.44	NE	<0.005	0.0019	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-011712	1/17/2012		37.44	NE	<0.005	0.0024	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-043012	4/30/2012		38.66	NE	<0.005	0.00087	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-072712	7/27/2012		38.90	NE	<0.005 UJ	0.00073	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005		<0.001	<0.005	<0.005
	MW11-ROX-102512	10/25/2012		40.59	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-011013	1/10/2013		41.43	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-040813	4/8/2013		42.02	NE	<0.005 UJ	<0.00065 U	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW11-ROX-070813	7/8/2013	41.66 - 51.66	39.24	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
MW-12	MW-12-111510	11/15/2010	41.92 - 51.92	36.63	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	0.00161 J	<0.01	<0.005	<0.005		<0.005		<0.005
	MW12-ROX-012411	1/24/2011		37.42	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW12-ROX-051211	5/12/2011		37.58	NE	<0.005 UJ	0.0016	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-072411	7/24/2011		35.55	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001 UJ	<0.001	<0.002	<0.005	<0.005 UJ	<0.025	<0.001	<0.005	<0.005
	MW-12-ROX-110211	11/2/2011		35.70	NE	<0.005	0.0012	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW-12-ROX-110211-DUP	11/2/2011		35.70	NE	<0.005	0.0014	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-011712	1/17/2012		37.70	NE	<0.005	0.0023	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-011712-DUP	1/17/2012		37.70	NE	<0.005	0.0028	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-043012	4/30/2012		38.98	NE	<0.005	0.00066	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-072712	7/27/2012		39.22	NE	<0.005 UJ	0.0013	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005		<0.001	<0.005	<0.005
	MW12-ROX-102512	10/25/2012		40.95	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-011013	1/10/2013		41.83	NE	<0.35 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-040813	4/8/2013		42.46	NE	<0.005 UJ	<0.00088 U	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW12-ROX-070913	7/9/2013	41.92 - 51.92	39.28	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
MW-13	MW13-ROX-012511	1/25/2011	25.57 - 35.57	24.28	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	MW13-ROX-051311	5/13/2011		23.65	NE	<0.005 UJ	0.0005 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-080311	8/3/2011		21.67	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-110311	11/3/2011		22.85	NE	<0.005	0.05	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-012012	1/20/2012		24.77	NE	<0.005	0.0742 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-050712	5/7/2012		25.79	NE	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-080812	8/8/2012		26.67	NE	<0.037 U	0.0069 J	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	<0.005 UJ	<0.025 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ
	MW13-ROX-110812	11/8/2012		25.30	NE	<0.005	0.0048	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-012313	1/23/2013		29.26	NE	<0.005	0.0067 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025 UJ	<0.001	<0.005	<0.005
	MW13-ROX-041213	4/12/2013		29.44	NE	<0.0319 UJ	0.0102 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW13-ROX-071213	7/12/2013	25.57 - 35.57	25.67	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005 UJ
MW-14	MW14-ROX-110911	11/9/2011	33.42 - 43.42			<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW14-ROX-051012	5/10/2012		NM	NE	<0.005	0.009	0.0014 J	0.0026 J	0.0012 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW14-ROX-080312	8/3/2012		29.87	NE	<0.005	0.0131	0.0015 J	0.0027 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00065 J	<0.005	<0.005
	MW14-ROX-103112	10/31/2012		32.02	NE	<0.005 UJ	0.00093	<0.005	0.0028 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW14-ROX-011813	1/18/2013		33.05	NE	<0.005	0.0017	0.0014 J	0.0032 J	0.0011 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW14-ROX-041113	4/11/2013		33.31	NE	<0.01	0.0125 J	0.0021 J	0.0048 J	0.0016 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW14-ROX-071213	7/12/2013	33.42 - 43.42	30.36	NE	<0.01	0.00064	0.00066 J	0.002 J	0.0013 J	<0.005	<0.001 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005 UJ
MW-16	MW16-ROX-012313	1/23/2013	37.06 - 47.06	43.05	NE	<0.005	0.00057 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025 UJ	<0.001	<0.005	<0.005
	MW16-ROX-040813	4/8/2013		43.39	NE	<0.005 UJ	<0.00058 U	<0.005	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	MW16-ROX-070813	7/8/2013	37.06 - 47.06	40.62	NE	<0.01	<0.00062 U	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
MW-22	MW22-ROX-012313	1/23/2013	37.88 - 47.88	41.80	NE	<0.25	2.12	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3 UJ	3.45	<0.25	<0.25
	MW22-ROX-012313-DUP	1/23/2013		41.80	NE	<0.25	2.09	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3 UJ	3.19	<0.25	<0.25
	MW22-ROX-040513	4/5/2013		42.23	NE	<0.005 UJ	1.5	0.0413 J	0.0142 J	0.0171 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0122 J	<0.025	2.44	<0.005	<0.005
	MW22-ROX-071113	7/11/2013	37.88 - 47.88	39.35	NE	<0.01 UJ	1.19	<0.005	0.0116	0.0142	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0087	R	2.07	<0.005	<0.005
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	<0.01 UJ	1.11	<0.005	0.0116	0.0148	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0087	R	1.79	<0.005	<0.005
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.005	0.0029	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0012	<0.005	<0.005
	MW24-ROX-071113	7/11/2013	38.89 - 48.89	40.35	NE	<0.0157 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005
P-54	P-54-111710	11/17/2010	38.00 - 63.00	36.43	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	P54-ROX-012411	1/24/2011		37.24	NE	<0.0048 U	<0.00039 U	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001		<0.005
	P54-ROX-051111	5/11/2011		37.37	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-072411	7/24/2011		35.38	NE	<0.005 UJ	0.0023	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002 UJ	<0.001	<0.002	<0.005	<0.005 UJ	<0.025	<0.001	<0.005	<0.005
	P54-ROX-110311	11/3/2011		35.49	NE	<0.005	0.013	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-011712	1/17/2012		37.17	NE	<0.005	0.0025	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-050412	5/4/2012		38.77	NE	<0.005	0.00082	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-080212	8/2/2012		38.95	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		<0.001	<0.005	<0.005
	P54-ROX-103012	10/30/2012		40.70	NE	<0.005 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-011113	1/11/2013		41.56	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-041013	4/10/2013		41.80	NE	<0.01	0.172	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-050313	5/3/2013		41.80	NE	<0.01 UJ	0.0028	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P54-ROX-071113	7/11/2013	38.00 - 63.00	39.07	NE	<0.01 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	<0.001	<0.005	<0.005

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
				Screening Values (mg/L)		6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
P-55	P55-ROX-103111	10/31/2011	39.82 - 64.82	39.15	NE	<0.005	0.152	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0143	<0.005	<0.005
	P55-ROX-011912	1/19/2012		41.09	NE	<0.005	<0.197 U	<0.005	0.0036 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0656	<0.005	<0.005
	P55-ROX-011912-D	1/19/2012		41.09	NE	<0.005	<0.202 U	<0.005	0.0038 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0683	<0.005	<0.005
	P55-ROX-050912	5/9/2012		42.44	NE	<0.005	0.388	0.0099	0.0093	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0031 J	<0.025	0.41	<0.005	<0.005
	P55-ROX-012113	1/21/2013	40.85 - 50.85	43.6	NE	<0.25	0.571	0.0533	0.011 J	<0.05	<0.05	<0.05	<0.05	<0.1	<0.01	<0.1	<0.05	<0.05		0.316	<0.05	<0.01
	P55-ROX-012113	1/21/2013		43.6	NE	<0.005	0.538	0.0203	0.0143	0.0013 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0055	<0.025	0.366	<0.005	<0.005
	P55-ROX-041513	4/15/2013		43.63	NE	<0.02 UJ	0.434	0.0052 J	0.0196	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	<0.01	<0.05	0.35	<0.01	<0.01
	P55-ROX-071613	7/16/2013	40.85 - 50.85	40.06	NE	<0.01	0.573	0.0256	0.0155	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0065	<0.025	0.495	<0.005	<0.005 UJ
P-56	P56-ROX-102711	10/27/2011	40.82 - 65.82	39.42	NE	<0.005	0.144	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.457 J	<0.005	<0.005
	P56-ROX-011912	1/19/2012		41.81	NE	<0.005	0.335	<0.005	0.0035 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.227	<0.005	<0.005
	P56-ROX-050812	5/8/2012		43.09	NE	<0.23 U	0.144	0.0086	0.0051	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	0.0069	<0.005	0.0044 J	<0.025	1.14	<0.005	<0.005
	P56-ROX-080612	8/6/2012		43.60	NE	<0.025 UJ	0.164	<0.025	<0.025	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025		0.101	<0.025	<0.025
	P56-ROX-103112	10/31/2012		44.80	NE	<0.005 UJ	0.176	<0.005	0.005	0.0021 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0041 J	<0.025	1.29	<0.005	<0.005
	P56-ROX-011713	1/17/2013		45.65	NE	<0.025	0.191	0.0031 J	<0.025	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025	<0.13	0.0088	<0.025	<0.025
	P56-ROX-041213	4/12/2013		46.12	NE	<0.02 U	0.131	<0.01	0.0142	<0.01	<0.01	<0.002	<0.002	<0.004	<0.002	<0.004	<0.01	<0.01	<0.05	0.691	<0.01	<0.01
	P56-ROX-071513	7/15/2013	40.82 - 65.82	43.25	NE	<0.156 U	0.131	0.0141	0.0072	0.0038 J	<0.005	<0.001	<0.001	0.0047	<0.001	<0.002	<0.005	0.0061	<0.025	2	<0.005	<0.005
P-57	P57-ROX-110811	11/8/2011	40.46 - 65.46	39.20	NE	<0.5	123	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	1.1	<0.5	<0.5
	P57-ROX-021312	2/13/2012		42.13	NE	<2.5 UJ	126	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13	0.719	<2.5	<2.5
	P57-ROX-050712	5/7/2012		42.92	NE	<0.5	147	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	1.07	<0.5	<0.5
	P57-ROX-080612	8/6/2012		43.53	NE	<0.25 UJ	99.4 J	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25		0.795	<0.25	<0.25
	P57-ROX-080612-DUP	8/6/2012		43.53	NE	<0.005 UJ	106 J	<0.005	0.0107	0.0124	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0109		0.759 E	<0.005	<0.005
	P57-ROX-110512	11/5/2012		44.98	NE	<2.5	142	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13	1.09	<2.5	<2.5
	P57-ROX-012913	1/29/2013		45.92	NE	<2.5	114	<2.5	<2.5	<2.5	<2.5	<0.5	1.43	<1	<0.5	<1	<2.5	<2.5	<13	1.1	<2.5	<2.5
	P57-ROX-041113	4/11/2013		46.29	NE	<5	141	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13	1.19	<2.5	<2.5
	P57-ROX-071613	7/16/2013	40.46 - 65.46	43.38	NE	<0.01	254	0.0143 J	0.0131 J	0.0103 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0119 J	<0.025	1.59	<0.005	<0.005 UJ
P-58	P58-ROX-102811	10/28/2011	40.21 - 65.21	37.31	NE	<0.005	430	<0.005	0.0148	0.0344	<0.005	<0.001	0.0014	<0.002	<0.001	<0.002	<0.005	0.0113	<0.025	<5	<0.005	<0.005
	P58-ROX-011912	1/19/2012		39.73	NE	<0.005	487	0.027	0.0215	0.056 J	<0.005	<0.001	0.0013	<0.002	<0.001	<0.002	<0.005	0.0149	<0.025	0.97 J	<0.005	<0.005
	P58-ROX-011912-D	1/19/2012		39.73	NE	<0.005	474	0.0235 J	0.0168 J	0.0387 J	<0.005	<0.001	0.0014 J	<0.002	<0.001	<0.002	<0.005	0.0123 J	<0.025	1.03	<0.005	<0.005
	P58-ROX-050712	5/7/2012		40.90	NE	<0.5	477	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	1.03	<0.5	<0.5
	P58-ROX-050712-DUP	5/7/2012		40.90	NE	<0.5	440	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	1	<0.5	<0.5
	P58-ROX-080612	8/6/2012		41.63	NE	<0.1 UJ	313 J	<0.1	<0.1	0.0317 J	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1		0.889	<0.1	<0.1
	P58-ROX-080612-DUP	8/6/2012		41.63	NE	<0.05	308 J	<0.05	0.0176 J	0.0339 J	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	0.0118 J	<0.25	0.931	<0.05	<0.05
	P58-ROX-110612	11/6/2012		43.09	NE	<0.5 UJ	415	<0.5	<0.5	<0.5	<0.5	<0.1 UJ	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	0.844	<0.5	<0.5
	P58-ROX-121012	12/10/2012		43.09	NE																	
	P58-ROX-012213	1/22/2013		44.21	NE	<5	552	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<25	1.27	<5	<5
	P58-ROX-041113	4/11/2013		44.40	NE	<20	532	<10	<10	<10	<10	<2	<2	<4	<2	<4	<10	<10	<50	1.28 J	<10	<10
	P58-ROX-071613	7/16/2013	40.21 - 65.21	41.49	NE	<0.01	398	0.0239	0.0215	0.0532	<0.005	<0.001	0.0017	<0.002	<0.001	<0.002	<0.005	0.0152	<0.025	1.07	<0.005	<0.005 UJ

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						VOCs														
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
P-59	P59-ROX-102711	10/27/2011	47.91 - 72.91	41.06	NE	<0.25	6.01	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3	1.49	<0.25	<0.25
	P59-ROX-011912	1/19/2012		42.88	NE	<0.005	6.61	<0.005 UJ	0.0054	0.0031 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0036 J	<0.025	1.28	<0.005	<0.005
	P59-ROX-011912-DUP	1/19/2012		42.88	NE	<0.005	7.04	0.0264 J	0.0055	0.0372 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0038 J	<0.025	1.4	<0.005	<0.005
	P59-ROX-050912	5/9/2012		44.11	NE	<0.25	7.86	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3	1.93	<0.25	<0.25
	P59-ROX-080212	8/2/2012		44.07	NE	<0.1 UJ	11	<0.1	<0.1	<0.1	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1		1.74	<0.1	<0.1
	P59-ROX-110212	11/2/2012		45.98	NE	<0.5 UJ	10.3	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	1.87	<0.5	<0.5
	P59-ROX-110212-DUP	11/2/2012		45.98	NE	<0.5 UJ	10.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	1.94	<0.5	<0.5
	P59-ROX-013013	1/30/2013		46.60	NE	<0.25	12.1	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3	1.9	<0.25	<0.25
	P59-ROX-041213	4/12/2013		46.95	NE	<0.5 UJ	15	<0.25	0.289	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3	2.85	<0.25	<0.25
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	<0.5 UJ	13.4	<0.25	0.288	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3	2.57	<0.25	<0.25
	P59-ROX-071613	7/16/2013	47.91 - 72.91	44.13	NE	<0.01	10.2	0.0213 J	0.0068 J	0.0027 J J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0046 J J	<0.025	2.4	<0.005	<0.005 UJ
P-66	P66-ROX-110111	11/1/2011	34.72 - 59.72	28.92	NE	<0.005	0.0171	0.0153	0.0185	0.0063	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	0.0016	<0.005	<0.005
	P66-ROX-051012	5/10/2012		32.48	NE	<0.005	0.0193	0.0139	0.019	0.0059	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0015	<0.005	<0.005
	P66-ROX-080312	8/3/2012		30.51	NE	<0.005	0.0994	0.0118	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0013	<0.005	<0.005
	P66-ROX-103112	10/31/2012		34.75	NE	<0.005	0.223	0.0145	0.02	0.0054	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0012	<0.005	<0.005
	P66-ROX-011813	1/18/2013		35.70	NE	<0.005	0.0896	0.0129	0.0227	0.0087	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0014	<0.005	<0.005
	P66-ROX-041113	4/11/2013		36.03	NE	<0.01	0.0444	0.0199	0.0249	0.0104	<0.005	<0.001	<0.001	0.00065 J	<0.001	<0.002	<0.005	0.0093	<0.025	0.0036	<0.005	<0.005
	P66-ROX-071213	7/12/2013	34.72 - 59.72	33.20	NE	<0.01	0.187	0.0146	0.0221	0.006	<0.005	<0.001 UJ	0.00059 J	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0022	<0.005	<0.005 UJ
P-74	P74-ROX-103111	10/31/2011	44.43 - 69.43	36.26	NE	<0.005	5.02	0.0242	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.229	<0.005	<0.005
	P74-ROX-011912	1/19/2012		38.77	NE	<0.005	<0.205 U	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0095	<0.005	<0.005
	P74-ROX-050712	5/7/2012		39.92	NE	<0.005	0.336	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0081	<0.005	<0.005
	P74-ROX-080612	8/6/2012		40.71	NE	<0.05 UJ	2.46	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05		0.0782	<0.05	<0.05
	P74-ROX-110112	11/1/2012		41.72	NE	<0.1	3.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1	<0.5	0.0493	<0.1	<0.1
	P74-ROX-011713	1/17/2013		42.65	NE	<0.1	4.99	0.0143 J	<0.1	<0.1	<0.1	<0.02	<0.02	<0.04	<0.02	<0.04	<0.1	<0.1	<0.5	0.0997	<0.1	<0.1
	P74-ROX-041113	4/11/2013		42.83	NE	<0.01	0.144	0.0026 J	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0086	<0.005	<0.005
	P74-ROX-071513	7/15/2013	44.43 - 69.43	40.11	NE	<0.0046 U	0.117	0.0088	0.002 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0017 J	<0.025	0.0306	<0.005	<0.005
P-93A	P93A-102610	10/26/2010	48.17 - 63.17	40.75	NE	<25	422 D	<1.25	<1.25	<1.25	<12.5	<1.25	<1.25	<2.5	<1.25	<2.5	<1.25	<1.25		0.32 J		<1.25
	P93A-ROX_012611	1/26/2011		40.97	NE	<0.005	491	0.0059	0.0096	0.0213	<0.005	0.00081 J	0.00061 J	<0.002	<0.001	<0.002	<0.005	0.0047 J		0.373		0.0016 J
	P93A-ROX-050511	5/5/2011		41.88	NE	<0.005	551	<0.005	0.0054 J	0.0133 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0034 J J	<0.025	<5	<0.005	<0.005
	P93A-ROX-081811	8/18/2011		39.40	NE	<0.005	467	<0.005	0.0071	0.0177	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0049 J	<0.025	<10	<0.005	<0.005
	P93A-ROX-102611	10/26/2011		39.43	NE	<0.005 UJ	543	<0.005	0.006	0.015	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0081	<0.025	0.304	<0.005	<0.005
	P93A-ROX-012012	1/20/2012		41.66	NE	<0.005	164 J	0.0037 J J	0.0045 J	0.0122	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0023 J	<0.025	0.185	<0.005	<0.005
	P93A-ROX-050812	5/8/2012		42.75	NE	<0.0441 U	200	0.005 J	0.0069 J	0.0179 J	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.002 UJ	<0.001 UJ	<0.002 UJ	<0.005 UJ	0.0035 J J	<0.025 UJ	0.38 J	<0.005 UJ	<0.005 UJ
	P93A-ROX-080912	8/9/2012		43.66	NE	<1.63 U	87	0.0016 J	0.0048 J	0.0128	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0022 J	<0.025	0.225	<0.005	<0.005
	P93A-ROX-110712	11/7/2012		45.00	NE	<0.5 UJ	148	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	0.265	<0.5	<0.5
	P93A-ROX-110712-DUP	11/7/2012		45.00	NE	<0.5 UJ	156	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	0.262	<0.5	<0.5
	P93A-ROX-012313	1/23/2013		45.89	NE	<2.5	101	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13 UJ	<0.5	<2.5	<2.5
	P93A-ROX-012313-DUP	1/23/2013		45.89	NE	<2.5	98.5	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13 UJ	<0.5	<2.5	<2.5
	P93A-ROX-041113	4/11/2013		46.29	NE	<5	120	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13	0.255 J	<2.5	<2.5
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	<5	120	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13	<0.5	<2.5	<2.5
	P93A-ROX-071813	7/18/2013	48.17 - 63.17	43.25	NE	<0.0053 U	89.1	<0.005	0.0056	0.0916	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0024 J	<0.05	0.162	<0.005	<0.005

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
P-93B	P93B-102610	10/26/2010	74.60 - 76.60	40.73	NE	<10	189 D	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<1	<0.5	<1	<0.5	<0.5		<0.5		<0.5
	P93B-ROX_012611	1/26/2011		41.03	NE	<0.005	105	<0.005	<0.005	0.00058 J	<0.005	<0.001	<0.001	0.00077 J	<0.001	0.0014 J	<0.005	<0.005		0.0104		<0.005
	P93B-ROX-050511	5/5/2011		41.96	NE	<0.005	134	<0.005	0.0045 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0169	<0.005	<0.005
	P93B-ROX-081811	8/18/2011		39.44	NE	<5	304	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<25	<1	<5	<5
	P93B-ROX-102611	10/26/2011		39.48	NE	<0.005 UJ	590	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0533	<0.005	<0.005
	P93B-ROX-012012	1/20/2012		41.72	NE	<0.005	337	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	0.0831 J	0.0274 J	<0.005	<0.005
	P93B-ROX-050812	5/8/2012		42.79	NE	<0.0747 U	304	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0379 J	<0.005	<0.005
	P93B-ROX-080912	8/9/2012		43.69	NE	<0.0672 UJ	317	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0741	<0.005	<0.005
	P93B-ROX-110712	11/7/2012		45.05	NE	<0.5 UJ	162 J	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	<0.1	<0.5	<0.5
	P93B-ROX-110712-DUP	11/7/2012		45.05	NE	<0.5 UJ	413 J	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.2	<0.1	<0.2	<0.5	<0.5	<2.5	0.0695 J	<0.5	<0.5
	P93B-ROX-012313	1/23/2013		45.89	NE	<5	415	<5	<5	<5	<5	<1	<1	<2	<1	<2	<5	<5	<25 UJ	<1	<5	<5
	P93B-ROX-041113	4/11/2013		46.32	NE	<5	618	<2.5	<2.5	<2.5	<2.5	<0.5	<0.5	<1	<0.5	<1	<2.5	<2.5	<13	<0.5	<2.5	<2.5
	P93B-ROX-071813	7/18/2013	74.60 - 76.60	43.30	NE	<0.01	296	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.05	0.0652	<0.005	<0.005
P-93C	P93C-102610	10/26/2010	94.26 - 96.26	40.69	NE	<0.1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	P93C-ROX_012611	1/26/2011		40.91	NE	<0.005	86.5	<0.005	<0.005	0.00056 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005		0.0175		<0.005
	P93C-ROX-050611	5/6/2011		41.84	NE	<0.005	15.7	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0029	<0.005	<0.005
	P93C-ROX-081811	8/18/2011		39.32	NE	<0.005	1.2	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-102611	10/26/2011		39.36	NE	<0.005 UJ	0.0014	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-012012	1/20/2012		41.57	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-050812	5/8/2012		42.68	NE	<0.005	0.0057	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-080912	8/9/2012		43.57	NE	<0.0056 UJ	0.00084	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-110812	11/8/2012		45.12	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-012313	1/23/2013		45.78	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025 UJ	<0.001	<0.005	<0.005
	P93C-ROX-041213	4/12/2013		46.21	NE	<0.0056 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93C-ROX-071813	7/18/2013	94.26 - 96.26	43.31	NE	<0.01	101	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.05	0.0041	<0.005	<0.005
	P93C-ROX-080813	8/8/2013		43.31	NE	<0.5	19.1	<0.25	<0.25	<0.25	<0.25	<0.05	<0.05	<0.1	<0.05	<0.1	<0.25	<0.25	<1.3	<0.05	<0.25	<0.25
P-93D	P93D-102610	10/26/2010	125.44 - 127.44	40.59	NE	<0.1	0.0429	<0.005	<0.005	<0.005	<0.05	<0.005	<0.005	<0.01	<0.005	<0.01	<0.005	<0.005		<0.005		<0.005
	P93D-ROX-050511	5/5/2011	125.75 - 127.75	41.96	NE	<0.005	0.0287	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-081811	8/18/2011		39.46	NE	<0.005	0.0059	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-102711	10/27/2011		39.59	NE	<0.005	0.00097	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-012012	1/20/2012		41.77	NE	<0.005	0.0513	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-050812	5/8/2012		42.96	NE	<0.005	0.0056	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-080812	8/8/2012		43.71	NE	<0.005 UJ	0.0134	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-110812	11/8/2012		NM	NE	<0.005	0.049	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-012213	1/22/2013		44.21	NE	<0.005	0.106	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.00069 J	<0.005	<0.005
	P93D-ROX-041113	4/11/2013		46.37	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P93D-ROX-071213	7/12/2013		43.51	NE	<0.01	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005 UJ

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						VOCs															
						Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	4-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,4-Dioxane	Ethylbenzene	Ethyl methacrylate	Hexachlorobutadiene
					Screening Values (mg/L)	6.3 [1]	0.005 [1]	0.35 [3]			0.7 [2]	0.005 [1]	0.1 [2]		0.0002 [2]				0.005 [4]	0.7 [1]		0.007 [3]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
P-114	P114-ROX-102811	10/28/2011	32.67 - 52.67	24.73	NE	<0.005	<0.001	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P114-ROX-012012	1/20/2012		27.17	NE	<0.005	0.0011 J	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P114-ROX-050912	5/9/2012		28.09	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P114-ROX-080912	8/9/2012		29.13	NE	<0.0756 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P114-ROX-110912	11/9/2012		30.90	NE	<0.0144 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025 UJ	<0.001	<0.005	<0.005
	P114-ROX-012313	1/23/2013		30.22	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025 UJ	<0.001	<0.005	<0.005
	P114-ROX-041513	4/15/2013		31.80	NE	<0.0059 UJ	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P114-ROX-071813	7/18/2013	32.67 - 52.67	27.22	NE	<0.251 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.245 U	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
ROST-3-PZ	ROST3PZ-ROX-051412	5/14/2012	40.00 - 50.00	38.82	NE	<0.61 U	0.0074	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0167	<0.005	<0.005
	ROST3PZ-ROX-080712	8/7/2012		39.00	NE	<0.005	0.0041	<0.005	<0.005	0.00072 J	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0047	<0.005	<0.005
	ROST3PZ-ROX-110112	11/1/2012		40.82	NE	<0.005	0.0052	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0018	<0.005	<0.005
ROST-3-MW	ROST3MW-ROX-012313	1/23/2013	38.18 - 48.18	41.50	NE	<0.005	0.0051 J	0.0028 J	0.0013 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0011 J	<0.025 UJ	0.0296	<0.005	<0.005
	ROST3MW-ROX-040513	4/5/2013		42.24	NE	<0.005 UJ	0.0605	<0.005	0.0011 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0012 J	<0.025	0.0136	<0.005	<0.005
	ROST3MW-ROX-071113	7/11/2013	38.18 - 48.18	39.50	NE	<0.01 UJ	0.0125	<0.005	0.0014 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0014 J	R	0.218	<0.005	<0.005
ROST-4-PZ(C)	ROST4PZ-C-051412	5/14/2012	34.95 - 44.95	39.04	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	<0.001	<0.005	<0.005
	ROST4PZ-C-ROX-072512	7/25/2012		39.10	NE	<0.005	0.0849	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.177	<0.005	<0.005 UJ
	ROST4PZC-ROX-102912	10/29/2012		40.75	NE	<0.005 UJ	0.0033	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002 UJ	<0.005	<0.005	<0.025	0.0014	<0.005	<0.005
	ROST4PZ(C)-ROX-011113	1/11/2013		41.42	NE	<0.005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0013	<0.005	<0.005
	ROST4PZC-ROX-041013	4/10/2013		42.27	NE	<0.01	0.0153 J	<0.005	<0.005	<0.005	<0.005	<0.001 UJ	<0.001 UJ	<0.002	<0.001	<0.002	<0.005	<0.005	<0.025	0.0028 J	<0.005	<0.005
	ROST4PZC-ROX-071113	7/11/2013	34.95 - 44.95	40.18	NE	<0.01 UJ	0.0497	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	<0.005	R	0.0651	<0.005	<0.005
T-12	T12-ROX-102711	10/27/2011	46.72 - 72.72	38.54	NE	<0.05	1.09	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	0.648	<0.05	<0.05
	T12-ROX-011912	1/19/2012		41.0	NE	<0.005	1.51	0.0062	0.0022 J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0024 J	<0.025	0.285	<0.005	<0.005
	T12-ROX-050912	5/9/2012		42.62	NE	<0.025	1.48	<0.025	<0.025	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025	<0.13	1.88	<0.025	<0.025
	T12-ROX-080212	8/2/2012		41.92	NE	<0.05 UJ	1.64	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05		0.573	<0.05	<0.05
	T12-ROX-110512	11/5/2012		43.91	NE	<0.05	1.71	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	1.73	<0.05	<0.05
	T12-ROX-011813	1/18/2013		44.50	NE	<0.025	2.03 J	0.0056 J	0.0036 J	<0.025	<0.025	<0.005	<0.005	<0.01	<0.005	<0.01	<0.025	<0.025	<0.13 UJ	0.426	<0.025	<0.025
	T12-ROX-041513	4/15/2013		44.99	NE	<0.1 UJ	1.61	<0.05	0.0595	<0.05	<0.05	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.05	<0.25	1.03	<0.05	<0.05
	T12-ROX-071613	7/16/2013	46.72 - 72.72	42.33	NE	<0.01	1.65	0.0069 J	0.003 J J	<0.005	<0.005	<0.001	<0.001	<0.002	<0.001	<0.002	<0.005	0.0025 J J	<0.025	0.45	<0.005	<0.005 UJ

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-01	MW-1-111110	11/11/2010	43.41 - 58.41	36.91	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW-1-111110-Dup	11/11/2010		36.91	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW1-ROX-011711	1/17/2011		37.58	NE		<0.005		0.0032	<0.0063	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.0013	
	MW1-ROX-042911	4/29/2011		38.37	NE	<0.005	<0.005	<0.005	0.0027	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0016	<0.001	0.0016
	MW1-ROX-072711	7/27/2011		35.77	NE	<0.005	<0.005	<0.005	0.0055	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-120511	12/5/2011		37.10	NE	<0.005	<0.005	<0.005	0.0027	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-011612	1/16/2012	48.80 - 58.80	37.75	NE	<0.005	<0.005	<0.005	0.0032	0.000079 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-050112	5/1/2012		39.09	NE	<0.005	<0.005	<0.005	0.0031	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-073012	7/30/2012		39.39	NE	<0.005	<0.005	<0.005	0.0022	0.0001 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-102612	10/26/2012		41.22	NE																
	MW1-ROX-121712	12/17/2012		41.22	NE	<0.005	<0.005	<0.005	0.0022	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-011013	1/10/2013		41.89	NE	<0.005	<0.005	<0.005	0.0015	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-040913	4/9/2013		42.55	NE	<0.005	<0.005	<0.005	0.0012	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW1-ROX-070813	7/8/2013	48.80 - 58.80	39.56	NE	<0.005	<0.005	<0.005	0.0049	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
MW-02	MW-2-111010	11/11/2010	47.19 - 62.19	38.12	NE		0.0236 J		<0.025	0.077	0.0354	1.22 D	<0.025	<0.025	<0.025	0.273	0.0618	<0.25	1.14	0.318	
	MW2-ROX-011711	1/17/2011		38.67	NE		0.0617		<0.001	0.0312	0.0652	0.737	<0.005	<0.005	<0.001	0.279	0.0744	<0.005	0.892	0.191	
	MW02-ROX-051011	5/10/2011		39.14	NE	<0.005	0.0539	<0.005	<0.001	0.0545 J	0.0669	3.51	<0.005	<0.005	<0.001	0.339	0.103	<0.005	2.05	0.549	2.6
	MW2-ROX-072711	7/27/2011		37.04	NE	<0.05	0.0995	<0.05	<0.01	0.0671	0.111	4.69	<0.05	<0.05	<0.01	0.338	0.116	<0.05	2.91	0.823	3.74
	MW2-ROX-072711-DUP	7/27/2011		37.04	NE	<0.05	0.0967	<0.05	<0.01	0.0659	0.1	4.67	<0.05	<0.05	<0.01	0.298	0.108	<0.05	2.63	0.728	3.36
	MW2-ROX-112811	11/28/2011	49.87 - 59.87	38.03	NE	<0.005	0.128	<0.005	<0.001	0.0777	0.146	0.0328	<0.005	<0.005	<0.001	0.407	0.212	<0.005	0.747	0.0574	0.804
	MW2-ROX-011612	1/16/2012		38.89	NE	<0.025	0.0832	<0.025	<0.005	0.0859	0.0993	0.0375	<0.025	<0.025	<0.005	0.388	0.162	<0.025	0.857	0.056	0.913
	MW2-ROX-050112	5/1/2012		40.25	NE	<0.025	0.0886	<0.025	<0.005	0.0497	0.119	0.0445	<0.025	<0.025	<0.005	0.413	0.154	<0.025	1.14	0.0797	1.22
	MW2-ROX-073012	7/30/2012		40.60	NE	<0.005	0.0818	<0.005	<0.001	0.0554	0.116	0.0374	<0.005	<0.005	<0.001	0.338	0.135	<0.005	1.27	0.0906	1.34
	MW2-ROX-102612	10/26/2012		42.35	NE	<0.025	0.0764	<0.025	0.0115	0.0821	0.104	0.0216	<0.025	<0.025	<0.005	0.299	0.129	<0.025	0.878	0.052	0.93
	MW2-ROX-011113	1/11/2013		42.94	NE	<0.01	0.0879	<0.01	<0.002	0.0768	0.121	0.0093	<0.01	<0.01	<0.002	0.219	0.105	<0.01	0.685	0.0287	0.713
	MW2-ROX-040913	4/9/2013		43.70	NE	<0.025	0.085	<0.025	<0.005	0.0578	0.11	0.0073	<0.025	<0.025	<0.005	0.338	0.155	<0.025	1.01	0.0454	1.05
	MW2-ROX-071113	7/11/2013	49.87 - 59.87	40.82	NE	<0.005 UJ	0.0931	<0.005	0.0062	0.114	0.127	0.11	<0.005	<0.005	<0.001	0.522	0.175	<0.005 UJ	1.88	0.174	1.88
MW-03	MW-3-111210	11/12/2010	30.98 - 45.98	24.05	NE		0.0016 J		<0.005	<0.01	0.00622	0.00257 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	0.00653 J	<0.005	
	MW3-ROX-011811	1/18/2011		24.92	NE		<0.005		0.0021	<0.0053	<0.005	<0.001	<0.005	<0.005	<0.001	0.00085 J	<0.005	<0.005	0.0012	0.0014	
	MW03-ROX-051011	5/10/2011		24.79	NE	<0.005	<0.005	<0.005	0.0026	0.00011 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0022	<0.001	0.0022
	MW3-ROX-080311	8/3/2011		22.72	NE	<0.005	0.0012 J	<0.005	<0.001	<0.000083 U	<0.005	0.0015	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-112911	11/29/2011	34.67 - 44.67	24.06	NE	<0.005	<0.005	<0.005	0.0014	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-112911-DUP	11/29/2011		24.06	NE	<0.005	<0.005	<0.005	0.0014	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-011612	1/16/2012		24.93	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-043012	4/30/2012		26.19	NE	<0.005	<0.005	<0.005	0.0039	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-072712	7/27/2012		26.60	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW3-ROX-102512	10/25/2012		28.39	NE	<0.005	<0.005	<0.005	0.0027	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-010913	1/9/2013		29.35	NE	<0.005	<0.005	<0.005	0.0008 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	0.007	<0.001	<0.001	<0.001
	MW3-ROX-040813	4/8/2013		29.74	NE	<0.005	<0.005	<0.005	<0.001 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW3-ROX-071113	7/11/2013	34.67 - 44.67	26.32	NE	<0.005 UJ	0.0049 J	<0.005	0.0035	<0.005	0.0055	0.0013	<0.005	<0.005	<0.001	0.0013 J	<0.005	<0.005 UJ	0.0028	<0.001	0.0028

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																
MW-04	MW-4-111210	11/12/2010	42.63 - 57.63	35.38	NE		0.00271 J		0.00508	<0.009	0.00395 J	0.0157	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	0.00699 J	0.00139 J	
	MW4-ROX-011811	1/18/2011		36.04	NE		0.002 J		0.007	<0.0052	0.0022 J	0.0071	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0062	0.0021	
	MW04-ROX-051111	5/11/2011		36.19	NE	<0.005	0.0036 J	<0.005	0.0096	<0.0001 UJ	0.0037 J	0.0125	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0096	0.0016	0.0111
	MW4-ROX-072611	7/26/2011		34.15	NE	<0.005	0.0088	<0.005	0.0113	0.00025	0.0085	0.017	<0.005	<0.005	<0.001	<0.005	0.0052	<0.005	0.0067	<0.001	0.0067
	MW4-ROX-072611-DUP	7/26/2011		34.15	NE	<0.005	0.0088	<0.005	0.0103	0.00021	0.0083	0.0162	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0063	<0.001	0.0063
	MW4-ROX-121511	12/15/2011		33.99	NE	<0.005	<0.005	<0.005	0.0073 J	0.00023	<0.005	0.0092	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0069	0.001	0.0079
	MW4-ROX-011612	1/16/2012	46.06 - 56.06	36.00	NE	<0.005	0.0061	<0.005	<0.001	<0.0001	0.0061	0.0283	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0148	0.0025	0.0173
	MW4-ROX-050312	5/3/2012		37.45	NE	<0.005	0.0038 J	<0.005	0.0174	<0.0001	<0.005	0.0255	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.016	0.003	0.0189
	MW4-ROX-050312-DUP	5/3/2012		37.45	NE	<0.005	0.0036 J	<0.005	0.0162	<0.0001	0.0043 J	0.0252	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0151	0.0031	0.0182
	MW4-ROX-072512	7/25/2012		37.63	NE	<0.005	0.0061	<0.005	0.015	<0.0001	0.0071	0.0418	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0221	0.0042	0.0262
	MW4-ROX-072512-Dup	7/25/2012		37.63	NE	<0.005	0.0063	<0.005	0.0154	<0.0001	0.0072	0.0427	<0.005	<0.005	<0.001	0.00068 J	0.0057	<0.005	0.0214	0.0043	0.0257
	MW4-ROX-102912	10/29/2012		39.45	NE	<0.01	0.0029 J	<0.01	0.0324	<0.01	0.0033 J	0.0175	<0.01	<0.01	<0.002	<0.01	<0.01	<0.01	0.0114	<0.002	0.0114
	MW4-ROX-011113	1/11/2013		40.20	NE	<0.005	0.0012 J	<0.005	0.0654	<0.005	0.0026 J	0.0075	<0.005	<0.005	<0.001	0.0019 J	0.0024 J	<0.005	0.0056	<0.001	0.0056
	MW4-ROX-011113-DUP	1/11/2013		40.20	NE	<0.005	0.0014 J	<0.005	0.0681	<0.005	0.003 J	0.0083	<0.005	<0.005	<0.001	0.0019 J	0.0026 J	<0.005	0.006	<0.001	0.006
	MW4-ROX-030413	3/4/2013		40.20	NE	<0.5	<0.5	<0.5	0.112	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	MW4-ROX-040913	4/9/2013		40.90	NE	<0.01	<0.01	<0.01	0.112	<0.01	<0.01	0.0057	<0.01	<0.01	<0.002	<0.01	<0.01	<0.01	0.0052	<0.002	0.0062
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.005	<0.005	<0.005	0.125	<0.005	0.004 J	0.0076	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0073	0.0011	0.0084
	MW4-ROX-071713	7/17/2013	46.06 - 56.06	37.61	NE	0.0041 J	0.0067	<0.005	0.0559 J	<0.005	0.008	0.0381	<0.005	<0.005	0.00085 J	0.0012 J	<0.005	0.0392 J	0.0302	0.0052	0.0353
MW-05	MW-5-111210	11/12/2010	31.13 - 46.13	23.32	NE		<0.005		0.00556	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	0.00277 J	<0.005	
	MW5-ROX-011811	1/18/2011		24.15	NE		<0.005		0.0066	<0.0053	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.00087 J	0.0014	
	MW05-ROX-051211	5/12/2011		23.98	NE	<0.005	<0.005	<0.005	0.0085	<0.00011 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	0.0035	<0.001	0.0035
	MW5-ROX-072611	7/26/2011		22.00	NE	<0.005	0.0161	<0.005	0.0031	<0.0001 U	0.0105	0.0017	<0.005	<0.005	<0.001	<0.005	0.0055	<0.005	0.0074	<0.001	0.0074
	MW5-ROX-072611-DUP	7/26/2011		22.00	NE	<0.005	0.016	<0.005	0.0031	<0.00015 U	0.0104	0.0016	<0.005	<0.005	<0.001	<0.005	0.0055	<0.005	0.0068	<0.001	0.0068
	MW5-ROX-112111	11/21/2011	33.97 - 43.97	23.46	NE	<0.005	<0.005	<0.005	0.0069	<0.00014 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW5-ROX-011712	1/17/2012		24.76	NE	<0.005	<0.005	<0.005	0.0187	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.00081 U
	MW5-ROX-050312	5/3/2012		25.89	NE	<0.005	0.001 J	<0.005	0.022	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW5-ROX-072512	7/25/2012		26.18	NE	<0.005	0.0066	<0.005	0.013	0.00032	0.0018 J	0.0032	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.008	0.0017	0.0097
	MW5-ROX-102912	10/29/2012		28.16	NE	<0.005	0.002 J	<0.005	0.0219	<0.005	<0.005	0.0018	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0018	<0.001	0.0018
	MW5-ROX-011113	1/11/2013		28.75	NE	<0.005	0.00086 J	<0.005	0.0295	<0.005	<0.005	0.0008 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW5-ROX-040913	4/9/2013		29.41	NE	<0.005	0.00085 J	<0.005	0.0427	<0.005	<0.005	0.002	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.001	<0.001	0.0014
	MW5-ROX-070913	7/9/2013	33.97 - 43.97	26.04	NE	<0.005	0.0268	<0.005	0.0121	<0.005	0.0132	0.0029	<0.005	<0.005	0.0018	<0.005	<0.005	<0.005 UJ	0.0079	0.0018	0.0097

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-06A	MW-6A-110910	11/9/2010	31.98 - 46.98	25.62	NE		<0.005		0.0203	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW6A-ROX-011911	1/19/2011		26.36	NE		<0.005		0.0181	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	
	MW6A-ROX-051611	5/16/2011		26.10	NE	<0.005 UJ	<0.005	<0.005	0.0277	<0.0001 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-072611	7/26/2011		23.76	NE	<0.005	<0.005	<0.005	0.0237	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-112111	11/21/2011	34.83 - 44.83	25.49	NE	<0.005	<0.005	<0.005	0.0169	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-112111-DUP	11/21/2011		25.49	NE	<0.005	<0.005	<0.005	0.0181	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-011712	1/17/2012		26.74	NE	<0.005	<0.005	<0.005	0.0185	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-050212	5/2/2012		27.77	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-080112	8/1/2012		28.36	NE	<0.005	<0.005	<0.005	0.0019	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-102412	10/24/2012		30.06	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-011413	1/14/2013		31.00	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-040313	4/3/2013		31.62	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6A-ROX-070913	7/9/2013	34.83 - 44.83	28.25	NE	<0.005	<0.005	<0.005	0.0027	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.005	<0.005	<0.005	0.0025	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
MW-06B	MW-6B-111610	11/16/2010	64.05 - 69.05	25.47	NE		<0.005		0.00204 J	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW6B-ROX-011911	1/19/2011		26.21	NE		<0.005		0.0016	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	
	MW6B-ROX-011911-DUP	1/19/2011		26.21	NE		<0.005		0.0016	<0.0051	<0.005	<0.001	0.0016 J	0.0011 J	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	
	MW6B-ROX-051611	5/16/2011		25.95	NE	<0.005 UJ	<0.005	<0.005	0.0029	<0.000095 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-051611-DUP	5/16/2011		25.95	NE	<0.005 UJ	<0.005	<0.005	0.0031	0.000044 J J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-072311	7/23/2011		23.60	NE	<0.005	<0.005	<0.005	0.0049	0.0012 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6B-ROX-110311	11/3/2011		24.67	NE	<0.05	<0.05	<0.05	0.036 J	<0.0001	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01
	MW6B-ROX-011712	1/17/2012		26.77	NE	<0.005	<0.005	<0.005	0.0049	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-050212	5/2/2012		27.82	NE	<0.005	<0.005	<0.005	0.0115	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-080112	8/1/2012		28.39	NE	<0.005	<0.005	<0.005	0.0122	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-102412	10/24/2012		30.11	NE	<0.005	<0.005	<0.005	0.0091	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-011713	1/17/2013		31.11	NE	<0.005	<0.005	<0.005	0.0166	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-040313	4/3/2013		31.68	NE	<0.005	<0.005	<0.005	0.0132	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6B-ROX-070913	7/9/2013	64.05 - 69.05	28.25	NE	<0.005	<0.005	<0.005	0.0069	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
MW-06C	MW-6C-111610	11/16/2010	84.95 - 89.95	25.25	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW6C-ROX-012111	1/21/2011		25.97	NE		<0.005		0.0021	<0.0053	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	
	MW6C-ROX-051611	5/16/2011		25.76	NE	<0.005 UJ	<0.005	<0.005	0.0034	<0.0001 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-072411	7/24/2011		23.43	NE	<0.005	<0.005	<0.005	0.0027	0.00075 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6C-ROX-110311	11/3/2011		24.47	NE	<0.005	<0.005	<0.005	0.0039 J	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-011712	1/17/2012		26.50	NE	<0.005	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-050212	5/2/2012		27.62	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-080112	8/1/2012		28.15	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-102412	10/24/2012		27.85	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-011713	1/17/2013		30.88	NE	<0.005 UJ	<0.005 UJ	<0.005 UJ	0.0012 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ
	MW6C-ROX-040313	4/3/2013		31.41	NE	<0.005	<0.005	<0.005	0.0022	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6C-ROX-070913	7/9/2013	84.95 - 89.95	28.03	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-06D	MW-6D-111610	11/16/2010	104.72 - 109.72	25.13	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW6D-ROX-012111	1/21/2011		25.87	NE		<0.005		<0.001	<0.0053	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	
	MW6D-ROX-051611	5/16/2011		25.60	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.00011 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-072311	7/23/2011		23.29	NE	<0.005	<0.005	<0.005	<0.001	0.00074 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW6D-ROX-110311	11/3/2011		24.31	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011712	1/17/2012		26.33	NE	<0.005	<0.005	<0.005	<0.001	<0.00016 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-050212	5/2/2012		27.45	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-080212	8/2/2012		30.56	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-102412	10/24/2012		29.71	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-011713	1/17/2013		30.75	NE	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ
	MW6D-ROX-040313	4/3/2013		31.27	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW6D-ROX-070913	7/9/2013	104.72 - 109.72	27.91	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
MW-07	MW-7-111710	11/17/2010	42.92 - 52.92	36.93	NE		<1.25		<1.25	0.004 J	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<12.5	<2.5	<1.25	
	MW-7-111710-Dup	11/17/2010		36.93	NE		<1.25		<1.25	0.005 J	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<12.5	<2.5	<1.25	
	MW7-ROX-012511	1/25/2011		37.52	NE	<0.005 UJ	0.004 J J	<0.005 UJ	<0.0057 U	0.0058	0.0058 J	0.0907 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.0552 J	0.0133 J	<0.005 UJ	0.0694 J	0.0235 J	
	MW07-ROX-051311	5/13/2011		37.50	NE	<0.005 UJ	0.0061 J	<0.005 UJ	0.0109 J	0.0114 J	0.0078 J	0.128 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.0822 J	0.0193 J	<0.005 UJ	0.101 J	0.0418 J	0.143 J
	MW07-ROX-051311D	5/13/2011		37.50	NE	<0.005	0.006	<0.005	0.012	0.011 J	0.0078	0.126	<0.005	<0.005	<0.001	0.0825	0.0193	<0.005	0.0984	0.0405	0.139
	MW7-ROX-072411	7/24/2011		35.65	NE	<25	<25	<25	<5	0.0081	<25	<5	<25	<25	<5	<25	<25	<25 UJ	<5	<5	<5
	MW-7-ROX-110211	11/2/2011		35.95	NE	<5	<5	<5	<1	0.0113	<5	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	MW7-ROX-011812	1/18/2012		38.10	NE	<0.005	0.0101	<0.005	0.0022	0.0134	0.0135	0.158	<0.005	<0.005	<0.001	0.148	0.0341	<0.005	0.137	0.0527	0.19
	MW7-ROX-011812-DUP	1/18/2012		38.10	NE	<0.005	0.01	<0.005	0.0024	0.0138	0.0138	0.156	<0.005	<0.005	<0.001	0.146	0.0332	<0.005	0.134	0.051	0.184
	MW7-ROX-050412	5/4/2012		39.19	NE	<0.5	<0.5	<0.5	<0.1	0.0158	<0.5	0.101	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
	MW7-ROX-080712	8/7/2012		39.50	NE	<0.05	<0.05	<0.05	<0.01	0.0089	0.0102 J	0.0629	<0.05	<0.05	<0.01	0.1	0.021 J	<0.05	0.12	0.0486	0.169
	MW7-ROX-103012	10/30/2012		41.23	NE	<10	<10	<10	<2	<10	<10	<2	<10	<10	<2	<10	<10	<10	<2	<2	<2
	MW7-ROX-103012-DUP	10/30/2012		41.23	NE	<10	<10	<10	<2	<10	<10	<2	<10	<10	<2	<10	<10	<10	<2	<2	<2
	MW7-ROX-011513	1/15/2013		42.21	NE	<20	<20	<20	<4	<20	<20	<4	<20	<20	<4	<20	<20	<20	<4	<4	<4
	MW7-ROX-011513-DUP	1/15/2013		42.21	NE	<20	<20	<20	<4	<20	<20	<4	<20	<20	<4	<20	<20	<20	<4	<4	<4
	MW7-ROX-041013	4/10/2013		42.70	NE	<10	<10	<10	<2	<10	<10	<2	<10	<10	<2	<10	<10	<10	<2	<2	<2
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	<10	<10	<10	<2	<10	<10	<2	<10	<10	<2	<10	<10	<10	<2	<2	<2
	MW7-ROX-071713	7/17/2013	42.92 - 52.92	39.60	NE	<0.005	0.0096 J	<0.005	0.0031 J	0.0185 J	0.0173 J	0.289 J	<0.005	<0.005	<0.001	0.117 J	0.0264 J	0.0094 J	0.455 J	0.183 J	0.639 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs																
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-08	MW-8-111710	11/17/2010	33.60 - 43.60	27.84	NE		<1.25		<1.25	0.023	<1.25	0.328 J	<1.25	<1.25	<1.25	<1.25	<1.25	<12.5	<2.5	<1.25	
	MW8-ROX-012511	1/25/2011		28.59	NE	<0.005 UJ	0.0104 J	<0.005 UJ	0.21 J	0.026	0.0173 J	1.2 E J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.109 J	0.0332 J	<0.005 UJ	0.499 J	0.188 J	
	MW8-ROX-012511-DUP	1/25/2011		28.59	NE	<0.005 UJ	0.0105 J	<0.005 UJ	0.205 J	0.0288	0.017 J	1.12 E J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.11 J	0.0336 J	<0.005 UJ	0.518 J	0.191 J	
	MW08-ROX-051311	5/13/2011		28.35	NE	<50	<50	<50	<10	0.0241 J	<50	<10	<50	<50	<10	<50	<50	<50	<10	<10	<10
	MW08-ROX-051311D	5/13/2011		28.35	NE	<5	<5	<5	0.657 J	0.0288 J	<5	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	MW8-ROX-072411	7/24/2011		26.02	NE	<25	<25	<25	<5	0.0237	<25	<5	<25	<25	<5	<25	<25	<25 UJ	<5	<5	<5
	MW8-ROX-072411-DUP	7/24/2011		26.02	NE	<25	<25	<25	<5	0.023	<25	<5	<25	<25	<5	<25	<25	<25 UJ	<5	<5	<5
	MW-8-ROX-110211	11/2/2011		27.02	NE	<5	<5	<5	4.94 J	0.0282	<5	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	MW8-ROX-011812	1/18/2012		29.15	NE	<0.005	0.0162	<0.005	1.41 J	0.0239	0.0377	<2	<0.005	<0.005	<0.001	0.163	0.061	<0.005	0.574	0.219	0.794
	MW8-ROX-050412	5/4/2012		30.21	NE	<0.5	<0.5	<0.5	4.15	0.0186	<0.5	1.55	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	0.978	0.37	1.35
	MW8-ROX-050412-DUP	5/4/2012		30.21	NE	<0.5	<0.5	<0.5	4.07	0.0188	<0.5	1.52	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	0.939	0.381	1.32
	MW8-ROX-080712	8/7/2012		30.97	NE	<0.1	<0.1	<0.1	0.878	0.0164	0.0191 J	0.781	<0.1	<0.1	<0.02	0.104	0.0299 J	<0.1	0.623	0.246	0.868
	MW8-ROX-080712-DUP	8/7/2012		30.97	NE	<0.05	<0.05	<0.05	0.885	0.0164	0.0176 J	0.729	<0.05	<0.05	<0.01	0.0921	0.0265 J	<0.05	0.598	0.235	0.833
	MW8-ROX-103012	10/30/2012		32.32	NE	<5	<5	<5	<1	<5	<5	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	MW8-ROX-011513	1/15/2013		33.30	NE	<10	<10	<10	<2	<10	<10	2.09	<10	<10	<2	<10	<10	<10	<2	<2	<2
	MW8-ROX-041013	4/10/2013		33.77	NE	<25	<25	<25	<5	<25	<25	<5	<25	<25	<5	<25	<25	<25	<5	<5	<5
	MW8-ROX-071713	7/17/2013	33.60 - 43.60	30.43	NE	<0.005	0.0173	<0.005	0.197 J	0.0335	0.0374	0.348	<0.005	<0.005	<0.001	0.199	0.0598	<0.005 UJ	1.01	0.361	1.3
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	<0.005	0.0174	<0.005	0.187 J	0.0347	0.0383	0.341	<0.005	<0.005	<0.001	0.203	0.0613	<0.005 UJ	0.818 J	0.364	1.05
MW-09	MW-9-111510	11/15/2010	46.45 - 56.45	39.00	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW9-ROX-012111	1/21/2011		39.62	NE		<0.005		<0.001	<0.0053	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	
	MW09-ROX-050611	5/6/2011		40.12	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.000097 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-072311	7/23/2011		38.06	NE	<0.005	<0.005	<0.005	<0.001	0.001 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW9-ROX-110111	11/1/2011		37.78	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-011612	1/16/2012		39.50	NE	<0.005	<0.005	<0.005	<0.001	0.000062 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-050312	5/3/2012		41.03	NE	<0.005	<0.005	<0.005	<0.001		<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-072712	7/27/2012		41.30	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW9-ROX-102912	10/29/2012		43.17	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-011113	1/11/2013		43.90	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-040913	4/9/2013		44.67	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW9-ROX-070813	7/8/2013	46.45 - 56.45	42.35	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-10	MW-10-111010	11/10/2010	44.43 - 54.43	38.97	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW10-ROX-012411	1/24/2011		39.40	NE	<0.005	<0.005	<0.005	<0.001	<0.0051	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	
	MW10-ROX-012411-DUP	1/24/2011		39.40	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	
	MW10-ROX-042811	4/28/2011		40.20	NE	<0.005	<0.005	<0.005	<0.001	<0.0048	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-072311	7/23/2011		38.01	NE	<0.005	<0.005	<0.005	<0.001	0.00062 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW10-ROX-110111	11/1/2011		37.72	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-011612	1/16/2012		39.28	NE	<0.005	<0.005	<0.005	<0.001	0.000047 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-050112	5/1/2012		40.86	NE	<0.005	<0.005	<0.005	<0.001	0.000052 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-072712	7/27/2012		41.21	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW10-ROX-102612	10/26/2012		43.08	NE																
	MW10-ROX-121712	12/17/2012		43.08	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	0.00058 J
	MW10-ROX-011013	1/10/2013		44.10	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	0.016	<0.001	<0.001	<0.001
	MW10-ROX-012113	1/21/2013		44.10	NE	<0.025	<0.005	<0.025	<0.002	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	
	MW10-ROX-040913	4/9/2013		44.60	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW10-ROX-070813	7/8/2013	44.43 - 54.43	42.27	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
MW-11	MW-11-111710	11/17/2010	41.66 - 51.66	36.39	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW11-ROX-012411	1/24/2011		37.15	NE	<0.005	<0.005	<0.005	<0.001	<0.0052	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	
	MW11-ROX-050611	5/6/2011		37.60	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.000095 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-072411	7/24/2011		34.3	NE	<0.005	<0.005	<0.005	<0.001	0.00027 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW-11-ROX-110211	11/2/2011		35.44	NE	<0.005	<0.005	<0.005	0.003 J	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-011712	1/17/2012		37.44	NE	<0.005	<0.005	<0.005	<0.001		<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-043012	4/30/2012		38.66	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-072712	7/27/2012		38.90	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.00012	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW11-ROX-102512	10/25/2012		40.59	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-011013	1/10/2013		41.43	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-040813	4/8/2013		42.02	NE	<0.005	<0.005	<0.005	<0.001 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW11-ROX-070813	7/8/2013	41.66 - 51.66	39.24	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
MW-12	MW-12-111510	11/15/2010	41.92 - 51.92	36.63	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	MW12-ROX-012411	1/24/2011		37.42	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	
	MW12-ROX-051211	5/12/2011		37.58	NE	<0.005	<0.005	<0.005	<0.001	<0.0001 UJ	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW12-ROX-072411	7/24/2011		35.55	NE	<0.005	<0.005	<0.005	<0.001	0.00098 B	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW-12-ROX-110211	11/2/2011		35.70	NE	<0.005	<0.005	<0.005	<0.001	<0.000095	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW-12-ROX-110211-DUP	11/2/2011		35.70	NE	<0.005	<0.005	<0.005	<0.001	<0.000095	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-011712	1/17/2012		37.70	NE	<0.005	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-011712-DUP	1/17/2012		37.70	NE	<0.005	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-043012	4/30/2012		38.98	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-072712	7/27/2012		39.22	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW12-ROX-102512	10/25/2012		40.95	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-011013	1/10/2013		41.83	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	0.00089 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-040813	4/8/2013		42.46	NE	<0.005	<0.005	<0.005	<0.001 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW12-ROX-070913	7/9/2013	41.92 - 51.92	39.28	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
MW-13	MW13-ROX-012511	1/25/2011	25.57 - 35.57	24.28	NE	<0.005	<0.005	<0.005	<0.001	<0.0052	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	
	MW13-ROX-051311	5/13/2011		23.65	NE	<0.005	<0.005	<0.005	0.0061 J	<0.000095 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW13-ROX-080311	8/3/2011		21.67	NE	<0.005	<0.005	<0.005	0.004	<0.000045 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-110311	11/3/2011		22.85	NE	<0.005	<0.005	<0.005	0.0156 J	0.00017	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-012012	1/20/2012		24.77	NE	<0.005	<0.005	<0.005	0.0066 J	0.00021	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-050712	5/7/2012		25.79	NE	<0.005	<0.005	<0.005	0.0083	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-080812	8/8/2012		26.67	NE	<0.005 UJ	<0.005 UJ	<0.005 UJ	0.0133 J	<0.0013 U	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ
	MW13-ROX-110812	11/8/2012		25.30	NE	<0.005	<0.005	<0.005	0.0093	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-012313	1/23/2013		29.26	NE	<0.005	<0.005	<0.005	0.0082	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW13-ROX-041213	4/12/2013		29.44	NE	<0.005	<0.005	<0.005	0.0093	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW13-ROX-071213	7/12/2013	25.57 - 35.57	25.67	NE	<0.005	<0.005	<0.005	0.0094	<0.005	0.00064 J	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
MW-14	MW14-ROX-110911	11/9/2011	33.42 - 43.42			<0.005	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW14-ROX-051012	5/10/2012		NM	NE	<0.005	0.0104	<0.005	<0.001	0.00099	0.0078	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0016	0.00041 J	0.002
	MW14-ROX-080312	8/3/2012		29.87	NE	<0.005	0.0173	<0.005	<0.001	0.0013	0.0137	0.00093 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0033	0.00061 J	0.0039
	MW14-ROX-103112	10/31/2012		32.02	NE	<0.005	0.0161	<0.005	<0.001	<0.005	0.0121	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0024	<0.001	0.0024
	MW14-ROX-011813	1/18/2013		33.05	NE	<0.005	0.021	<0.005	<0.001	<0.005	0.0162	0.00097 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0026	<0.001	0.003
	MW14-ROX-041113	4/11/2013		33.31	NE	<0.005	0.0346	<0.005	<0.001	<0.005	0.0206	0.0014	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0038	<0.001	0.0043
	MW14-ROX-071213	7/12/2013	33.42 - 43.42	30.36	NE	<0.005	0.0168	<0.005	<0.001	<0.005	0.0109	0.00059 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	0.0026	<0.001	0.0029
MW-16	MW16-ROX-012313	1/23/2013	37.06 - 47.06	43.05	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	MW16-ROX-040813	4/8/2013		43.39	NE	<0.005	<0.005	<0.005	<0.001 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	MW16-ROX-070813	7/8/2013	37.06 - 47.06	40.62	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
MW-22	MW22-ROX-012313	1/23/2013	37.88 - 47.88	41.80	NE	<0.25	0.126 J	<0.25	<0.05	0.396	0.22 J	10.5	<0.25	<0.25	<0.05	1.23	0.288	<0.25 UJ	7.56	3.73	11.3
	MW22-ROX-012313-DUP	1/23/2013		41.80	NE	<0.25	0.124 J	<0.25	<0.05	0.377	0.234 J	9.06	<0.25	<0.25	<0.05	1.26	0.291	<0.25 UJ	6.96	3.52	10.5
	MW22-ROX-040513	4/5/2013		42.23	NE	<0.005	0.159 J	0.0124 J	<0.001	0.286 J	0.29 J	6.14	<0.005	<0.005	<0.001	0.931	0.379 J	<0.005	5.15	2.64	7.79
	MW22-ROX-071113	7/11/2013	37.88 - 47.88	39.35	NE	<0.005 UJ	0.131	0.0102	<0.001	0.345	0.242	3.92	<0.005	<0.005	<0.001	0.864	0.309	<0.005 UJ	4.13	2.26	6.39
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	<0.005 UJ	0.133	0.0103	<0.001	0.362	0.245	3.57	<0.005	<0.005	<0.001	0.754	0.311	<0.005 UJ	3.83	2.05	5.88
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	0.0014	<0.005	<0.005	<0.001	0.00051 J	<0.005	<0.005	0.0021	0.0009 J	0.003
	MW24-ROX-071113	7/11/2013	38.89 - 48.89	40.35	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
P-54	P-54-111710	11/17/2010	38.00 - 63.00	36.43	NE		<0.005		<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	P54-ROX-012411	1/24/2011		37.24	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	
	P54-ROX-051111	5/11/2011		37.37	NE	<0.005	<0.005	<0.005	<0.001	0.00013 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-072411	7/24/2011		35.38	NE	<0.005	<0.005	<0.005	<0.001	0.000066 JB	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-110311	11/3/2011		35.49	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-011712	1/17/2012		37.17	NE	<0.005	<0.005	<0.005	<0.001	<0.000089 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-050412	5/4/2012		38.77	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-080212	8/2/2012		38.95	NE	<0.005	<0.005	<0.005	<0.001	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-103012	10/30/2012		40.70	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-011113	1/11/2013		41.56	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-041013	4/10/2013		41.80	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-050313	5/3/2013		41.80	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P54-ROX-071113	7/11/2013	38.00 - 63.00	39.07	NE	<0.005 UJ	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
P-55	P55-ROX-103111	10/31/2011	39.82 - 64.82	39.15	NE	<0.005	<0.005	<0.005	0.0012	0.0015	<0.005	0.029	<0.005	<0.005	<0.001	0.0067	0.0056	<0.005	0.0466	0.0163	0.0629
	P55-ROX-011912	1/19/2012		41.09	NE	<0.005	0.0105 J	<0.005	<0.001	0.0197	0.0173	0.0337	<0.005	<0.005	<0.001	0.017	0.009	<0.005	0.205	0.0663	0.271
	P55-ROX-011912-D	1/19/2012		41.09	NE	<0.005	0.0105 J	<0.005	<0.001	0.0169	0.0176	0.0359	<0.005	<0.005	<0.001	0.0179	0.0097	<0.005	0.21	0.0649	0.275
	P55-ROX-050912	5/9/2012		42.44	NE	<0.005	0.0392	<0.005	<0.001	0.0271	0.0699	0.227	<0.005	<0.005	<0.001	0.158	0.0368	<0.005	0.885	0.112	0.97
	P55-ROX-012113	1/21/2013	40.85 - 50.85	43.6	NE	<0.25	0.0678	<0.25	<0.02	0.079 J	0.14	0.189	<0.05	<0.01	<0.05	0.039 J	0.026 J	<0.1	0.279	0.347	
	P55-ROX-012113	1/21/2013		43.6	NE	<0.005	0.0937	<0.005	0.002	0.12	0.206	0.262	<0.005	<0.005	<0.001	0.046	0.0312	<0.005	0.356	0.382	0.738
	P55-ROX-041513	4/15/2013		43.63	NE	<0.01	0.068	<0.01	<0.002	0.0974 J	0.148	0.143	<0.01	<0.01	<0.002	0.0241	0.0229	<0.01	0.235	0.362	0.597
	P55-ROX-071613	7/16/2013	40.85 - 50.85	40.06	NE	<0.005	0.0884	<0.005	<0.001	0.0841	0.175	0.343	<0.005	<0.005	<0.001	0.073	0.0559	<0.005 UJ	0.535	0.558	1.11
P-56	P56-ROX-102711	10/27/2011	40.82 - 65.82	39.42	NE	<0.005	0.0512	<0.005	<0.001	0.067	0.0463	0.0422	<0.005	<0.005	<0.001	0.0962	0.0226	<0.005	0.476	0.0332	0.509
	P56-ROX-011912	1/19/2012		41.81	NE	<0.005	0.0787 J	<0.005	<0.001	0.0596	0.0697	0.023	<0.005	<0.005	<0.001	0.0229	0.0077	<0.005	0.202	0.0161	0.218
	P56-ROX-050812	5/8/2012		43.09	NE	<0.005	0.0876	<0.005	<0.001	0.0667	0.111	0.197	<0.005	<0.005	<0.001	0.312	0.0708	<0.005	1.37	0.197	1.53
	P56-ROX-080612	8/6/2012		43.60	NE	<0.025 UJ	0.0442	<0.025	<0.005	0.0197	0.0439	0.0109	<0.025 UJ	<0.025 UJ	<0.005	0.0131 J	0.005 J	<0.025 UJ	0.11	0.0083	0.118
	P56-ROX-103112	10/31/2012		44.80	NE	<0.005	0.0752	<0.005	<0.001	0.167	0.105	0.187	<0.005	<0.005	<0.001	0.387	0.0901	<0.005	1.62	0.144	1.73
	P56-ROX-011713	1/17/2013		45.65	NE	<0.025	0.0398	<0.025	<0.005	0.0322	0.0456	0.0119	<0.025	<0.025	<0.005	0.0172 J	0.0092 J	<0.025	0.0745	<0.005	0.0745
	P56-ROX-041213	4/12/2013		46.12	NE	<0.01	0.0581	<0.01	<0.002	0.0964 J	0.0805	0.0799	<0.01	<0.01	<0.002	0.27	0.0486	<0.01	1	0.0243	1.03
	P56-ROX-071513	7/15/2013	40.82 - 65.82	43.25	NE	<0.005	0.0968	<0.005	<0.001	0.316	0.145	0.311	<0.005	<0.005	<0.001	0.551	0.134	<0.005	2.67	0.21	2.85
P-57	P57-ROX-110811	11/8/2011	40.46 - 65.46	39.20	NE	<0.5	<0.5	<0.5	0.221	0.152	<0.5	<0.1	<0.5	<0.5	<0.1	0.615	<0.5	<0.5	1.02	<0.1	1.02
	P57-ROX-021312	2/13/2012		42.13	NE	<2.5	<2.5	<2.5	<0.5	0.271 J	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	0.502	<0.5	0.502
	P57-ROX-050712	5/7/2012		42.92	NE	<0.5	<0.5	<0.5	0.453	0.0894	<0.5	<0.1	<0.5	<0.5	<0.1	0.632	0.159 J	<0.5	0.928	0.0563 J	0.984
	P57-ROX-080612	8/6/2012		43.53	NE	<0.25 UJ	<0.25	<0.25	0.238	0.119	<0.25	0.0577	<0.25	<0.25	<0.05	0.506	0.123 J	<0.25 UJ	0.74	0.0328 J	0.773
	P57-ROX-080612-DUP	8/6/2012		43.53	NE	<0.005 UJ	0.0432	<0.005	0.212	0.115	0.0519	0.0558	<0.005	<0.005	<0.001	0.505 E	0.137	<0.005 UJ	0.692	0.0348	0.727
	P57-ROX-110512	11/5/2012		44.98	NE	<2.5	<2.5	<2.5	<0.5	1.53 J	<2.5	<0.5	<2.5	<2.5	<0.5	0.577 J	<2.5	<2.5	1.03	<0.5	1.03
	P57-ROX-012913	1/29/2013		45.92	NE	<2.5	<2.5	<2.5	<0.5	<2.5	0.331 J	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P57-ROX-041113	4/11/2013		46.29	NE	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	0.494 J	<2.5	<2.5	<0.5	<0.5	<0.5
	P57-ROX-071613	7/16/2013	40.46 - 65.46	43.38	NE	<0.005	0.0698 J	<0.005	0.112 J	0.203 J	0.0802 J	0.202 J	<0.005	<0.005	<0.001	<5	0.129 J	<0.005 UJ	1.81	0.256 J	2.01
P-58	P58-ROX-102811	10/28/2011	40.21 - 65.21	37.31	NE	<0.005	0.0734	<0.005	<0.001	0.204	0.0862	0.13	<0.005	<0.005	<0.001	<25	0.104	<0.005	0.575	0.101	0.677
	P58-ROX-011912	1/19/2012		39.73	NE	0.0097	0.108 J	<0.005	0.0082	0.212	0.129 J	0.155 J	<0.005	<0.005	<0.001		0.14 J	0.0408 J	0.679	0.108	0.787
	P58-ROX-011912-D	1/19/2012		39.73	NE	<0.005	0.0832 J	<0.005	0.0101 J	0.191 J	0.0993 J	0.119 J	<0.005	<0.005	<0.001	<5	0.11	<0.005 UJ	<1	<1	<1
	P58-ROX-050712	5/7/2012		40.90	NE	<0.5	<0.5	<0.5	<0.1	0.112 J	0.106 J	0.137	<0.5	<0.5	<0.1	0.776	0.108 J	<0.5	0.666	0.0982 J	0.764
	P58-ROX-050712-DUP	5/7/2012		40.90	NE	<0.5	<0.5	<0.5	<0.1	0.0697 J	0.108 J	0.145	<0.5	<0.5	<0.1	0.757	0.109 J	<0.5	0.636	0.0968 J	0.733
	P58-ROX-080612	8/6/2012		41.63	NE	<0.1 UJ	0.0649 J	<0.1	<0.02	0.142	0.0909 J	0.117	<0.1	<0.1	<0.02	0.705	0.0955 J	<0.1 UJ	0.652	0.0976	0.749
	P58-ROX-080612-DUP	8/6/2012		41.63	NE	<0.05	0.0718	<0.05	<0.01	0.15	0.0996	0.128	<0.05	<0.05	<0.01	0.737	0.102	<0.05	0.656	0.104	0.759
	P58-ROX-110612	11/6/2012		43.09	NE	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	0.124	<0.5	<0.5	<0.1	0.658	0.108 J	<0.5	0.544	0.0807 J	0.624
	P58-ROX-121012	12/10/2012		43.09	NE																
	P58-ROX-012213	1/22/2013		44.21	NE	<5	<5	<5	<1	<5	<5	<1	<5	<5	<1	<5	<5	<5	<1	<1	0.728 J
	P58-ROX-041113	4/11/2013		44.40	NE	<10	<10	<10	<2	<10	<10	<2	<10	<10	<2	0.926 J	<10	<10	<2	<2	<2
	P58-ROX-071613	7/16/2013	40.21 - 65.21	41.49	NE	<0.005	0.101	<0.005	<0.001	0.234	0.131	0.147	<0.005	<0.005	<0.001	0.634 J	0.13	<0.005 UJ	0.723	0.12	0.843

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
P-59	P59-ROX-102711	10/27/2011	47.91 - 72.91	41.06	NE	<0.25	<0.25	<0.25	<0.05	0.0793	<0.25	0.321	<0.25	<0.25	<0.05	0.477	<0.25	<0.25	3.11	0.312	3.42
	P59-ROX-011912	1/19/2012		42.88	NE	<0.005	0.0713	<0.005	<0.001	0.18	0.128	0.896	<0.005	<0.005	<0.001	0.483 J	0.198	<0.005	3.03	0.587	3.62
	P59-ROX-011912-DUP	1/19/2012		42.88	NE	<0.005	0.0733	<0.005	<0.001	0.183	0.133	0.931	<0.005	<0.005	<0.001	0.536	0.203	<0.005	3.21	0.587	3.8
	P59-ROX-050912	5/9/2012		44.11	NE	<0.25	0.0585 J	<0.25	<0.05	0.0925	0.123 J	2.35	<0.25	<0.25	<0.05	0.67	0.171 J	<0.25	4.56	1.08	5.64
	P59-ROX-080212	8/2/2012		44.07	NE	<0.1	0.0452 J	<0.1	<0.02	0.0886	0.0974 J	0.506	<0.1	<0.1	<0.02	0.563	0.158	<0.1	4.35	0.376	4.73
	P59-ROX-110212	11/2/2012		45.98	NE	<0.5	<0.5	<0.5	<0.1	<0.5	0.105 J	1.09	<0.5	<0.5	<0.1	0.558	0.154 J	<0.5	4.49	0.686	5.17
	P59-ROX-110212-DUP	11/2/2012		45.98	NE	<0.5	<0.5	<0.5	<0.1	<0.5	0.111 J	1.1	<0.5	<0.5	<0.1	0.592	0.167 J	<0.5	4.68	0.721	5.4
	P59-ROX-013013	1/30/2013		46.60	NE	<0.25	0.0455 J	<0.25 UJ	<0.05 UJ	0.376	0.085 J	0.296	<0.25	<0.25	<0.05	0.563	0.0491 J	<0.25	4.19	0.264	4.45
	P59-ROX-041213	4/12/2013		46.95	NE	<0.25	0.062 J	<0.25	<0.05	0.664	0.136 J	0.523	<0.25	<0.25	<0.05	0.946	<0.25	<0.25	6.52	0.646	7.16
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	<0.25	0.0543 J	<0.25	<0.05	0.547	0.117 J	0.463	<0.25	<0.25	<0.05	0.843	<0.25	<0.25	5.89	0.591	6.48
	P59-ROX-071613	7/16/2013	47.91 - 72.91	44.13	NE	<0.005	0.074 J	<0.005	<0.001	0.215 J	0.149 J	1.03	<0.005	<0.005	<0.001	0.784	0.219	<0.005 UJ	5.76	0.431	6.19
P-66	P66-ROX-110111	11/1/2011	34.72 - 59.72	28.92	NE	<0.005	0.158	<0.005	0.0845 J	0.0091	0.188	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P66-ROX-051012	5/10/2012		32.48	NE	<0.005	0.123	<0.005	0.0771	<0.0001	0.152	0.0021	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0012	0.0012	0.0024
	P66-ROX-080312	8/3/2012		30.51	NE	<0.005	0.0874	<0.005	0.103	0.0013	0.112	0.0013	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0011	0.0011	0.0022
	P66-ROX-103112	10/31/2012		34.75	NE	<0.005	0.122	<0.005	0.0733	<0.005	0.156	0.0014	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P66-ROX-011813	1/18/2013		35.70	NE	<0.005	0.146	<0.005	0.104	<0.005	0.193	0.0015	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	0.00093 J	0.00093 J
	P66-ROX-041113	4/11/2013		36.03	NE	<0.005	0.287	<0.005	0.086	<0.005	0.384	0.0012	<0.005	<0.005	<0.001	0.0041 J	<0.005	<0.005	<0.001	<0.001	<0.001
	P66-ROX-071213	7/12/2013	34.72 - 59.72	33.20	NE	<0.005	0.191	<0.005	<0.001	<0.005	0.229	0.0018	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	0.001	0.0015
P-74	P74-ROX-103111	10/31/2011	44.43 - 69.43	36.26	NE	<0.005	0.0123	<0.005	0.0222	0.0673	0.0222	0.669	<0.005	<0.005	<0.001	0.587	0.162	<0.005	0.177	<0.1	0.177
	P74-ROX-011912	1/19/2012		38.77	NE	<0.005	<0.005	<0.005	<0.001	0.0158	0.0012 J	0.0038	<0.005	<0.005	<0.001	0.0292	0.0126	<0.005	0.0526	0.0262	0.0788
	P74-ROX-050712	5/7/2012		39.92	NE	<0.005	<0.005	<0.005	<0.001	0.00024	0.001 J	0.0017	<0.005	<0.005	<0.001	0.0155	0.0063	<0.005	0.0273	0.0093	0.0366
	P74-ROX-080612	8/6/2012		40.71	NE	<0.05 UJ	<0.05	<0.05	<0.01	0.0177	<0.05	0.159	<0.05	<0.05	<0.01	0.187	0.0663	<0.05 UJ	0.388	0.125	0.512
	P74-ROX-110112	11/1/2012		41.72	NE	<0.1	<0.1	<0.1	<0.02	0.0834 J	<0.1	0.232	<0.1	<0.1	<0.02	0.125	0.0414 J	<0.1	0.246	0.0811	0.328
	P74-ROX-011713	1/17/2013		42.65	NE	<0.1	<0.1	<0.1	<0.02	0.141	<0.1	0.278	<0.1	<0.1	<0.02	0.249	0.0973 J	<0.1	0.547	<0.02	0.555
	P74-ROX-041113	4/11/2013		42.83	NE	<0.005	<0.005	<0.005	<0.001	0.0016 J	<0.005	0.003	<0.005	<0.005	<0.001	0.0184	0.0138	<0.005	0.0456	0.0146	0.0601
	P74-ROX-071513	7/15/2013	44.43 - 69.43	40.11	NE	<0.005	0.0031 J	<0.005	<0.001	0.024	0.0054	0.0064	<0.005	<0.005	<0.001	0.101	0.0365	<0.005	0.109	0.027	0.136
P-93A	P93A-102610	10/26/2010	48.17 - 63.17	40.75	NE		<1.25		<1.25	0.095 D	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<1.25	<12.5	0.543 J	<1.25	
	P93A-ROX_012611	1/26/2011		40.97	NE		0.0225		0.124	0.0803	0.0254	0.0654	0.0026 J	0.0015 J	0.0017	0.21	0.045	<0.005 UJ	0.622	0.0705	
	P93A-ROX-050511	5/5/2011		41.88	NE	<0.005 UJ	0.0206 J	<0.005	0.0684 J	0.0795 J	0.0228 J	0.0718 J	<0.005	<0.005	<0.001	0.169 J	0.0293 J	<0.005	0.628 J	0.0707 J	0.699 J
	P93A-ROX-081811	8/18/2011		39.40	NE	<0.005	0.0236 J	<0.005	0.0356	0.0868	0.0254	0.0678	<0.005	<0.005	<0.001	0.237	0.0495	<0.005 UJ	0.745	0.09	0.835
	P93A-ROX-102611	10/26/2011		39.43	NE	<0.005	0.0189	<0.005	0.0405	0.108	0.0172	0.0438	<0.005 UJ	<0.005	<0.001	0.171	0.0399	<0.005	0.482	0.0614	0.543
	P93A-ROX-012012	1/20/2012		41.66	NE	0.0041 J	0.0134	<0.005	0.0604	0.059 J	0.0134	0.0196	<0.005	<0.005	<0.001	0.101	0.025	<0.005 UJ	0.292	0.0416	0.333
	P93A-ROX-050812	5/8/2012		42.75	NE	<0.005 UJ	0.0218 J	<0.005 UJ	0.0557 J	0.0472	0.0239 J	0.0407 J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.194 J	0.0416 J	<0.005 UJ	0.647 J	0.0841 J	0.731 J
	P93A-ROX-080912	8/9/2012		43.66	NE	<0.005	0.0126	<0.005	0.0485	0.0496	0.0137	0.0091	<0.005	<0.005	<0.001	0.145	0.0273	<0.005	0.436	0.0642	0.5
	P93A-ROX-110712	11/7/2012		45.00	NE	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	0.43	0.076 J	0.506
	P93A-ROX-110712-DUP	11/7/2012		45.00	NE	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	0.404	0.073 J	0.477
	P93A-ROX-012313	1/23/2013		45.89	NE	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5 UJ	<0.5	<0.5	<0.5
	P93A-ROX-012313-DUP	1/23/2013		45.89	NE	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5 UJ	<0.5	<0.5	<0.5
	P93A-ROX-041113	4/11/2013		46.29	NE	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93A-ROX-071813	7/18/2013	48.17 - 63.17	43.25	NE	<0.005	0.0101	<0.005	0.0054 J	0.0303	0.0113	0.0072	<0.005	<0.005	<0.001	0.0915	0.0116	<0.005 UJ	0.273	0.0426	0.316

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
P-93B	P93B-102610	10/26/2010	74.60 - 76.60	40.73	NE		<0.5		<0.5	<0.009	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<1	<0.5	
	P93B-ROX_012611	1/26/2011		41.03	NE		0.0108		0.0088	0.0011 J	0.011	0.0321	<0.005	<0.005	<0.001	0.0052	0.0016 J	<0.005 UJ	0.0555	0.0092	
	P93B-ROX-050511	5/5/2011		41.96	NE	<0.005 UJ	0.0142	<0.005	0.0113	0.0013 J	0.0151	0.0488	<0.005	<0.005	<0.001	0.0057	0.0014 J	<0.005	0.0502	0.0112	0.0614
	P93B-ROX-081811	8/18/2011		39.44	NE	<5	<5	<5	<1	0.0037	<5	<1	<5	<5	<1	<5	<5	<5	<1	<1	<1
	P93B-ROX-102611	10/26/2011		39.48	NE	<0.005	0.0292	<0.005	<0.001	0.012	0.0359	0.0859	<0.005 UJ	<0.005	<0.001	0.0303	0.0082	<0.005	0.167	0.0352	0.202
	P93B-ROX-012012	1/20/2012		41.72	NE	<0.005	0.022 J	<0.005	0.0063 J	0.0041 J J	0.0244 J	0.0678 J	<0.005	<0.005	<0.001	0.0114 J	0.0028 J J	<0.005 UJ	0.0598 J	0.0224 J	0.0822 J
	P93B-ROX-050812	5/8/2012		42.79	NE	<0.005	0.0188 J	<0.005	<0.001	0.002	0.0272 J	0.0512 J	<0.005	<0.005	<0.001	0.0196 J	0.0054 J	<0.005	0.116 J	0.0251 J	0.141 J
	P93B-ROX-080912	8/9/2012		43.69	NE	<0.005	0.0266	<0.005	<0.001	0.0049	0.0406	0.0786	<0.005	<0.005	<0.001	0.0372	0.0107	<0.005	0.245	0.0468	0.292
	P93B-ROX-110712	11/7/2012		45.05	NE	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	0.0986 J	<0.1	0.0986 J
	P93B-ROX-110712-DUP	11/7/2012		45.05	NE	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	0.0719 J	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	0.237	<0.1	0.237
	P93B-ROX-012313	1/23/2013		45.89	NE	<5	<5	<5	<1	<5	<5	<1	<5	<5	<1	<5	<5	<5 UJ	<1	<1	<1
	P93B-ROX-041113	4/11/2013		46.32	NE	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	<0.5	<0.5	<0.5
	P93B-ROX-071813	7/18/2013	74.60 - 76.60	43.30	NE	<0.005	0.0247	<0.005	0.0035 J	0.0093	0.0357	0.0646	<0.005	<0.005	<0.001	0.025	0.0069	0.0176 J	0.195	0.0418	0.236
P-93C	P93C-102610	10/26/2010	94.26 - 96.26	40.69	NE		<0.005		0.00136 J	<0.009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	P93C-ROX_012611	1/26/2011		40.91	NE		0.0019 J		0.0014	<0.0051	0.0013 J	0.0067	<0.005	<0.005	<0.001	0.0025 J	<0.005	<0.005 UJ	0.0051	0.0035	
	P93C-ROX-050611	5/6/2011		41.84	NE	<0.005 UJ	<0.005	<0.005	0.0052	0.00003 J J	<0.005	0.0018	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	0.00059 J
	P93C-ROX-081811	8/18/2011		39.32	NE	<0.005	<0.005	<0.005	0.0067	<0.000054 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P93C-ROX-102611	10/26/2011		39.36	NE	<0.005	<0.005	<0.005	0.0096	<0.0001	<0.005	<0.001	<0.005 UJ	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-012012	1/20/2012		41.57	NE	<0.005	<0.005	<0.005	0.006	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-050812	5/8/2012		42.68	NE	<0.005	<0.005	<0.005	0.004	<0.00011	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-080912	8/9/2012		43.57	NE	<0.005	<0.005	<0.005	0.0053	0.000065 J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-110812	11/8/2012		45.12	NE	<0.005	<0.005	<0.005	0.0056	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-012313	1/23/2013		45.78	NE	<0.005	<0.005	<0.005	0.0044	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P93C-ROX-041213	4/12/2013		46.21	NE	<0.005	<0.005	<0.005	0.0045	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93C-ROX-071813	7/18/2013	94.26 - 96.26	43.31	NE	<0.005	0.002 J	<0.005	0.0049 J	<0.005	0.002 J	0.007	<0.005	<0.005	<0.001	0.0016 J	<0.005	<0.005 UJ	0.0076	0.0015	0.0091
	P93C-ROX-080813	8/8/2013		43.31	NE	<0.25	<0.25	<0.25	<0.05	<0.25	<0.25	<0.05	<0.25	<0.25	<0.05	<0.25	<0.25	<0.25	<0.05	<0.05	<0.05
P-93D	P93D-102610	10/26/2010	125.44 - 127.44	40.59	NE		<0.005		0.0122	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05	<0.01	<0.005	
	P93D-ROX-050511	5/5/2011	125.75 - 127.75	41.96	NE	<0.005 UJ	<0.005	<0.005	0.0014	0.000036 J J	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-081811	8/18/2011		39.46	NE	<0.005	<0.005	<0.005	0.00095 J	<0.000087 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P93D-ROX-102711	10/27/2011		39.59	NE	<0.005	<0.005	<0.005	0.004 J	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-012012	1/20/2012		41.77	NE	<0.005	<0.005	<0.005	<0.001	0.00016	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-050812	5/8/2012		42.96	NE	<0.005	<0.005	<0.005	0.00077 J	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-080812	8/8/2012		43.71	NE	<0.005	<0.005	<0.005	<0.001	<0.0092 U	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-110812	11/8/2012		NM	NE	<0.005	<0.005	<0.005	0.0023	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-012213	1/22/2013		44.21	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	0.0015 J	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-041113	4/11/2013		46.37	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P93D-ROX-071213	7/12/2013	125.75 - 127.75	43.51	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001

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						VOCs															
						2-Hexanone (Methyl N-Butyl Ketone)	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene	n-Propylbenzene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl acetate	m,p-Xylenes	o-Xylenes	Xylenes (total)
					Screening Values (mg/L)		0.7 [3]		0.070 [1]	0.14 [2]	0.7 [3]	1 [1]	0.0056 [3]	0.07 [2]	0.005 [2]		0.07 [3]	7.0 [2]	10 [1]		10 [1]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)															
P-114	P114-ROX-102811	10/28/2011	32.67 - 52.67	24.73	NE	<0.005	<0.005	<0.005	0.0036 J	<0.000095	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-012012	1/20/2012		27.17	NE	<0.005	<0.005	<0.005	<0.001	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-050912	5/9/2012		28.09	NE	<0.005	<0.005	<0.005	0.0035 J	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-080912	8/9/2012		29.13	NE	<0.005	<0.005	<0.005	0.00083 J	<0.0001	<0.005	<0.001	<0.005	<0.005	<0.001	0.00039 J	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-110912	11/9/2012		30.90	NE	<0.005	<0.005	<0.005	0.0076 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	0.0013 J	<0.001	0.0013 J
	P114-ROX-012313	1/23/2013		30.22	NE	<0.005	<0.005	<0.005	0.003 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P114-ROX-041513	4/15/2013		31.80	NE	<0.005	<0.005	<0.005	0.0051	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	P114-ROX-071813	7/18/2013	32.67 - 52.67	27.22	NE	<0.005	<0.005	<0.005	0.0023 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.005	<0.005	<0.005	0.0022 J	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005 UJ	<0.001	<0.001	<0.001
ROST-3-PZ	ROST3PZ-ROX-051412	5/14/2012	40.00 - 50.00	38.82	NE	<0.005	<0.005	<0.005	<0.001	0.00048	0.00096 J	0.0038	<0.005	<0.005	<0.001	0.0095	0.0023 J	<0.005	0.0607	0.0151	0.0758
	ROST3PZ-ROX-080712	8/7/2012		39.00	NE	<0.005	<0.005	<0.005	<0.001	0.00038	<0.005	0.0015	<0.005	<0.005	<0.001	0.0042 J	0.0012 J	<0.005	0.0289	0.0074	0.0363
	ROST3PZ-ROX-110112	11/1/2012		40.82	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	0.0026 J	<0.005	<0.005	0.0122	0.0037	0.0159
ROST-3-MW	ROST3MW-ROX-012313	1/23/2013	38.18 - 48.18	41.50	NE	<0.005	0.0066	<0.005	<0.001	0.0076	0.0156	0.0016	<0.005	<0.005	<0.001	0.0786	0.022	<0.005 UJ	0.114	0.0159	0.13
	ROST3MW-ROX-040513	4/5/2013		42.24	NE	<0.005	0.0032 J	<0.005	<0.001	0.132 J	0.0082	0.0076	<0.005	<0.005	<0.001	0.0531	0.0145	<0.005	0.0603	0.0126	0.0729
	ROST3MW-ROX-071113	7/11/2013	38.18 - 48.18	39.50	NE	<0.005 UJ	0.0146	<0.005	<0.001	0.0411	0.0279	0.014	<0.005	<0.005	<0.001	0.164	0.0373	<0.005 UJ	0.644	0.124	0.768
ROST-4-PZ(C)	ROST4PZ-C-051412	5/14/2012	34.95 - 44.95	39.04	NE	<0.005	<0.005	<0.005	<0.001	0.0018	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	<0.001	<0.001	<0.001
	ROST4PZ-C-ROX-072512	7/25/2012		39.10	NE	<0.005	0.0036 J	<0.005	<0.001	0.0331	0.0059	0.0596	<0.005	<0.005	<0.001	0.0374	0.0076	<0.005	0.373	0.207	0.581
	ROST4PZC-ROX-102912	10/29/2012		40.75	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005	0.0021	<0.001	0.0021
	ROST4PZ(C)-ROX-011113	1/11/2013		41.42	NE	<0.005	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	<0.005	<0.005	<0.001	0.002 J	0.0014 J	<0.005	0.0018	<0.001	0.0018
	ROST4PZC-ROX-041013	4/10/2013		42.27	NE	<0.005 UJ	0.00061 J J	<0.005 UJ	<0.001	<0.005	0.0011 J	0.0006 J J	<0.005 UJ	<0.005 UJ	<0.001 UJ	0.0016 J	<0.005	<0.005	<0.001 UJ	<0.001 UJ	<0.001 UJ
	ROST4PZC-ROX-071113	7/11/2013	34.95 - 44.95	40.18	NE	<0.005 UJ	0.0025 J	<0.005	<0.001	0.0189	0.0041 J	0.041	<0.005	<0.005	<0.001	0.0194	0.0044 J	<0.005 UJ	0.126	0.0649	0.191
T-12	T12-ROX-102711	10/27/2011	46.72 - 72.72	38.54	NE	<0.05	<0.05	<0.05	<0.01	0.105	<0.05	0.233	<0.05	<0.05	<0.01	0.358	0.0527	<0.05	1.13	0.108	1.24
	T12-ROX-011912	1/19/2012		41.0	NE	<0.005	0.022	<0.005	0.0016	0.132	0.03	0.175	<0.005	<0.005	<0.001	0.34	0.0715	0.0952	0.684	0.0399	0.724
	T12-ROX-050912	5/9/2012		42.62	NE	<0.025	0.0572	<0.025	<0.005	0.0924	0.101	0.388	<0.025	<0.025	<0.005	0.476	0.0765	<0.025	2.87	0.251	3.12
	T12-ROX-080212	8/2/2012		41.92	NE	<0.05	0.0297 J	<0.05	<0.01	0.0625	0.0486 J	0.197	<0.05	<0.05	<0.01	0.403	0.0474 J	<0.05	1.32	0.0709	1.39
	T12-ROX-110512	11/5/2012		43.91	NE	<0.05	0.0468 J	<0.05	<0.01	0.125	0.0831	0.322	<0.05	<0.05	<0.01	0.385	0.0543	<0.05	2.55	0.176	2.73
	T12-ROX-011813	1/18/2013		44.50	NE	<0.025	0.031	<0.025	<0.005	0.129	0.0466	0.184	<0.025	<0.025	<0.005	0.42	0.0407	<0.025	1.11	0.0252	1.13
	T12-ROX-041513	4/15/2013		44.99	NE	<0.05	0.0405 J	<0.05	<0.01	0.266 J	0.076	0.592	<0.05	<0.05	<0.01	0.309	<0.05	<0.05	1.2	0.104	1.3
	T12-ROX-071613	7/16/2013	46.72 - 72.72	42.33	NE	<0.005	0.0363 J	<0.005	<0.001	0.122 J	0.0627 J	0.186 J	<0.005	<0.005	<0.001	0.361 J	0.0238 J	<0.005 UJ	0.794 J	0.0145 J	0.808 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-01	MW-1-111110	11/11/2010	43.41 - 58.41	36.91	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW-1-111110-Dup	11/11/2010		36.91	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.049		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW1-ROX-011711	1/17/2011		37.58	NE	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.013		<0.0063	<0.0025	<0.0063	<0.013	<0.0063	<0.0063	<0.0063	<0.013	<0.0063	<0.013
	MW1-ROX-042911	4/29/2011		38.37	NE	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.013 UJ	<0.013	<0.0063	<0.00077 U	<0.0063	<0.013	<0.0063	<0.0063	<0.0063	<0.013	<0.0063	<0.013
	MW1-ROX-072711	7/27/2011		35.77	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW1-ROX-120511	12/5/2011		37.10	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000056 U	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW1-ROX-011612	1/16/2012	48.80 - 58.80	37.75	NE	0.000077 J	0.000035 J	0.000062 J	0.00011	0.0001	0.00011	<0.00011 U	0.00012	<0.01 UJ	<0.01	<0.0051	<0.002	<0.00039 U	<0.01	0.00011	<0.00011 U	<0.0051	<0.01	<0.0051	<0.01
	MW1-ROX-050112	5/1/2012		39.09	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW1-ROX-073012	7/30/2012		39.39	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	0.00032 J	<0.011
	MW1-ROX-102612	10/26/2012		41.22	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0057	0.00099 J	<0.0057	<0.011	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011
	MW1-ROX-121712	12/17/2012		41.22	NE																				
	MW1-ROX-011013	1/10/2013		41.89	NE	<0.000024 U	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW1-ROX-040913	4/9/2013		42.55	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0011 U	<0.011
	MW1-ROX-070813	7/8/2013	48.80 - 58.80	39.56	NE	<0.000026 U	<0.0001	<0.0001	<0.000051	<0.0001	0.000027 J	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.0024 U	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
MW-02	MW-2-111010	11/11/2010	47.19 - 62.19	38.12	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.003 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW2-ROX-011711	1/17/2011		38.67	NE	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.0082 J		<0.0048	0.25	<0.0048	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.0048	0.0022 J
	MW02-ROX-051011	5/10/2011		39.14	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	0.0019 J	<0.0052	<0.0029 U	<0.0052 UJ	<0.01	<0.0001 UJ	<0.0001 UJ	<0.0052	<0.01	0.0016 J J	<0.01
	MW2-ROX-072711	7/27/2011		37.04	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW2-ROX-072711-DUP	7/27/2011		37.04	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW2-ROX-112811	11/28/2011	49.87 - 59.87	38.03	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW2-ROX-011612	1/16/2012		38.89	NE	0.000057 J	<0.00011	<0.00011	<0.000053	0.000033 J	0.00004 J	<0.000047 U	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.00083 U	<0.00047 U	<0.011	<0.00011	<0.000047 U	<0.0053	<0.011	<0.0053	0.0035 J
	MW2-ROX-050112	5/1/2012		40.25	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	0.0055 J
	MW2-ROX-073012	7/30/2012		40.60	NE	0.000051 J	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.00059 J	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	0.00036 J	0.0045 J
	MW2-ROX-102612	10/26/2012		42.35	NE	0.000093 J	<0.00011	<0.00011	0.00016	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0034 J
	MW2-ROX-011113	1/11/2013		42.94	NE	0.00016	0.000019 J	<0.00011	<0.000056	0.000027 J	0.000039 J	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
	MW2-ROX-040913	4/9/2013		43.70	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.005 J
	MW2-ROX-071113	7/11/2013	49.87 - 59.87	40.82	NE	0.000035 J	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0055	0.00063 J	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	0.005 J
MW-03	MW-3-111210	11/12/2010	30.98 - 45.98	24.05	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW3-ROX-011811	1/18/2011		24.92	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011		<0.0053	0.00062 J	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.011
	MW03-ROX-051011	5/10/2011		24.79	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.0025 U	0.0064 J	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.005 UJ	<0.01
	MW3-ROX-080311	8/3/2011		22.72	NE	<0.000095	<0.000095	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095 UJ	<0.0095	<0.0048	0.0084	<0.0048	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095
	MW3-ROX-112911	11/29/2011	34.67 - 44.67	24.06	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	MW3-ROX-112911-DUP	11/29/2011		24.06	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW3-ROX-011612	1/16/2012		24.93	NE	<0.0001	<0.0001	0.000063 J	0.00011	0.00012	0.00013	<0.00013 U	0.00012	<0.01 UJ	<0.01	<0.0052	<0.0004 U	<0.00039 U	<0.01	0.000098 J	<0.00013 U	<0.0052	<0.01	<0.0052	<0.01
	MW3-ROX-043012	4/30/2012		26.19	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	MW3-ROX-072712	7/27/2012		26.60	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011 UJ	<0.00011	<0.011	<0.011	<0.0053	<0.00067 U	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW3-ROX-102512	10/25/2012		28.39	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.00059 U	<0.01
	MW3-ROX-010913	1/9/2013		29.35	NE	<0.0001	0.000023 J	0.000037 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW3-ROX-040813	4/8/2013		29.74	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011
	MW3-ROX-071113	7/11/2013	34.67 - 44.67	26.32	NE	0.000028 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.0038	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-04	MW-4-111210	11/12/2010	42.63 - 57.63	35.38	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.047		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
	MW4-ROX-011811	1/18/2011		36.04	NE	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.01		<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.0052	<0.01
	MW04-ROX-051111	5/11/2011		36.19	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.0023 U	0.0063 J	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.005 UJ	<0.01
	MW4-ROX-072611	7/26/2011		34.15	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	0.0102	<0.01	<0.005	<0.0057 U	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW4-ROX-072611-DUP	7/26/2011		34.15	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	0.0103	<0.01	<0.005	<0.002 U	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW4-ROX-121511	12/15/2011		33.99	NE	<0.0001	0.00011	<0.0001	<0.000052	0.00012	<0.000087 U	<0.00063 U	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0028 U	<0.0052	<0.01	<0.0001	<0.00035 U	<0.0052	<0.01	<0.0052	<0.01
	MW4-ROX-011612	1/16/2012	46.06 - 56.06	36.00	NE	<0.0001	<0.0001	0.00003 J	0.00012	0.00012	0.00013	<0.0002 U	0.00015	<0.01 UJ	<0.01	<0.0052	<0.0005 U	<0.00073 U	<0.01	0.00014	<0.00019 U	<0.0052	<0.01	<0.0052	<0.01
	MW4-ROX-050312	5/3/2012		37.45	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW4-ROX-050312-DUP	5/3/2012		37.45	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW4-ROX-072512	7/25/2012		37.63	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	0.0056 J	<0.01	<0.0051	<0.00079 U	0.00039 J	<0.01	<0.0001	<0.0001	<0.002	<0.01	0.0014 J	<0.01
	MW4-ROX-072512-Dup	7/25/2012		37.63	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000046 U	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.00069 U	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	0.0012 J	<0.01
	MW4-ROX-102912	10/29/2012		39.45	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW4-ROX-011113	1/11/2013		40.20	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
	MW4-ROX-011113-DUP	1/11/2013		40.20	NE	<0.00012	<0.00012	<0.00012	<0.00006	<0.00012	<0.00006	<0.00012	<0.00012	<0.012	<0.012	<0.006	<0.0024	<0.006	<0.012	<0.00012	<0.00012	<0.0024	<0.012	<0.006	<0.012
	MW4-ROX-030413	3/4/2013		40.20	NE																				
	MW4-ROX-040913	4/9/2013		40.90	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053 UJ	<0.011
	MW4-ROX-071713	7/17/2013	46.06 - 56.06	37.61	NE	<0.000036 U	<0.00011	<0.00011	<0.000055	0.00004 J	0.000034 J	0.000061 J	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
MW-05	MW-5-111210	11/12/2010	31.13 - 46.13	23.32	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW5-ROX-011811	1/18/2011		24.15	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011		<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0009 J	<0.011
	MW05-ROX-051211	5/12/2011		23.98	NE	<0.00011 UJ	<0.00011 UJ	<0.00011 UJ	<0.000053 UJ	<0.00011 UJ	<0.000053 UJ	<0.00011 UJ	<0.00011 UJ	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011 UJ	<0.00011 UJ	<0.0053	<0.011	<0.0053	<0.011
	MW5-ROX-072611	7/26/2011		22.00	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW5-ROX-072611-DUP	7/26/2011		22.00	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW5-ROX-112111	11/21/2011	33.97 - 43.97	23.46	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	0.00079 J	<0.0053	<0.011	<0.00011	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW5-ROX-011712	1/17/2012		24.76	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0015 U	<0.00049 U	<0.011	<0.00011	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW5-ROX-050312	5/3/2012		25.89	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW5-ROX-072512	7/25/2012		26.18	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.00064 U	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	0.0011 J	<0.01
	MW5-ROX-102912	10/29/2012		28.16	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	MW5-ROX-011113	1/11/2013		28.75	NE	0.000071 J	0.000066 J	0.000028 J	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
	MW5-ROX-040913	4/9/2013		29.41	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	MW5-ROX-070913	7/9/2013	33.97 - 43.97	26.04	NE	<0.0001	<0.0001	<0.0001	0.0001 J	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-06A	MW-6A-110910	11/9/2010	31.98 - 46.98	25.62	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-011911	1/19/2011		26.36	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0044 J J		<0.005	<0.002	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	<0.0019 U	<0.01
	MW6A-ROX-051611	5/16/2011		26.10	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	0.0026	<0.005	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.00083 U	<0.01
	MW6A-ROX-072611	7/26/2011		23.76	NE	0.00024	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002 U	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW6A-ROX-112111	11/21/2011	34.83 - 44.83	25.49	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	0.0023	0.00077 J	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	MW6A-ROX-112111-DUP	11/21/2011		25.49	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	0.0011 J	0.00054 J	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW6A-ROX-011712	1/17/2012		26.74	NE	<0.00011	<0.00011	<0.00011	<0.000064 U	<0.00008 U	<0.00009 U	<0.00015 U	0.000094 J	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00014 U	<0.0054	<0.011	<0.0054	<0.011
	MW6A-ROX-050212	5/2/2012		27.77	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.0029 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW6A-ROX-080112	8/1/2012		28.36	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW6A-ROX-102412	10/24/2012		30.06	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW6A-ROX-011413	1/14/2013		31.00	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	0.000073 J	<0.0001	<0.01 UJ	<0.01	<0.0051	0.00054 J	<0.0051	<0.01	<0.0001	0.000066 J	<0.002	<0.01	<0.0051	<0.01
	MW6A-ROX-040313	4/3/2013		31.62	NE	<0.00011	<0.00011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	0.00052 J	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW6A-ROX-070913	7/9/2013	34.83 - 44.83	28.25	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
MW-06B	MW-6B-111610	11/16/2010	64.05 - 69.05	25.47	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6B-ROX-011911	1/19/2011		26.21	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01 UJ		<0.005	<0.002	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00087 U	<0.01
	MW6B-ROX-011911-DUP	1/19/2011		26.21	NE	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01 UJ		<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.001 U	<0.01
	MW6B-ROX-051611	5/16/2011		25.95	NE	<0.000095 UJ	0.000098 J	<0.000095 UJ	<0.000048 UJ	<0.000095 UJ	<0.000048 UJ	<0.000095 UJ	<0.000095 UJ	<0.0095	<0.0095	<0.0048	0.0023	<0.0048	<0.0095	<0.000095 UJ	<0.000095 UJ	<0.0048	<0.0095	<0.00078 U	<0.0095
	MW6B-ROX-051611-DUP	5/16/2011		25.95	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	0.0024	<0.005	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.00096 U	<0.01
	MW6B-ROX-072311	7/23/2011		23.60	NE	<0.00011	<0.00011	<0.00011	<0.00075 U	<0.0002 U	<0.00019 U	<0.00007 U	<0.00023 U	<0.011 UJ	<0.011	<0.0053	0.00077 J	<0.0053	<0.011	<0.0008 U	<0.000031 U	<0.0053	<0.011	<0.0053	<0.011
	MW6B-ROX-110311	11/3/2011		24.67	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01 UJ
	MW6B-ROX-011712	1/17/2012		26.77	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00015 U	<0.00011 U	<0.00028 U	0.0001 J	<0.011 UJ	<0.011	<0.0055	<0.0011 U	<0.0055	<0.011	<0.00011	<0.00027 U	<0.0055	<0.011	<0.0055	<0.011
	MW6B-ROX-050212	5/2/2012		27.82	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW6B-ROX-080112	8/1/2012		28.39	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.00049 J	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	MW6B-ROX-102412	10/24/2012		30.11	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	0.00057 J	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	MW6B-ROX-011713	1/17/2013		31.11	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW6B-ROX-040313	4/3/2013		31.68	NE	<0.00011	<0.00011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	MW6B-ROX-070913	7/9/2013	64.05 - 69.05	28.25	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
MW-06C	MW-6C-111610	11/16/2010	84.95 - 89.95	25.25	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6C-ROX-012111	1/21/2011		25.97	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011 UJ		<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.00084 U	<0.011
	MW6C-ROX-051611	5/16/2011		25.76	NE	<0.0001 UJ	0.000046 J J	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	0.0025	0.0064	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.00063 U	<0.01
	MW6C-ROX-072411	7/24/2011		23.43	NE	<0.00011	<0.00011	<0.00011	0.00016 B	0.00013 B	0.00014 B	0.000041 J	0.00016 B	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	0.00015 B	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW6C-ROX-110311	11/3/2011		24.47	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01 UJ
	MW6C-ROX-011712	1/17/2012		26.50	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.00046 U	<0.011	<0.00011	<0.00011	<0.0054	<0.011	<0.0054	<0.011
	MW6C-ROX-050212	5/2/2012		27.62	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW6C-ROX-080112	8/1/2012		28.15	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW6C-ROX-102412	10/24/2012		27.85	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	MW6C-ROX-011713	1/17/2013		30.88	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW6C-ROX-040313	4/3/2013		31.41	NE	<0.0001	<0.0001 UJ	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01 UJ	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW6C-ROX-070913	7/9/2013	84.95 - 89.95	28.03	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-06D	MW-6D-111610	11/16/2010	104.72 - 109.72	25.13	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.051		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-012111	1/21/2011		25.87	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011 UJ		<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.001 U	<0.011
	MW6D-ROX-051611	5/16/2011		25.60	NE	<0.00011 UJ	<0.00011 UJ	<0.00011 UJ	<0.000055 UJ	<0.00011 UJ	<0.000055 UJ	<0.00011 UJ	<0.00011 UJ	<0.011	<0.011	<0.0055	0.0027	0.0069	<0.011	<0.00011 UJ	<0.00011 UJ	<0.0055	<0.011	<0.00085 U	<0.011
	MW6D-ROX-072311	7/23/2011		23.29	NE	<0.00011	<0.00011	<0.00011	<0.00038 U	<0.00015 U	<0.00017 U	<0.000049 U	<0.00019 U	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00039 U	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW6D-ROX-110311	11/3/2011		24.31	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01 UJ
	MW6D-ROX-011712	1/17/2012		26.33	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0055	<0.011	<0.0055	<0.011
	MW6D-ROX-050212	5/2/2012		27.45	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.0044 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW6D-ROX-080212	8/2/2012		30.56	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	0.00022 J	<0.01
	MW6D-ROX-102412	10/24/2012		29.71	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW6D-ROX-011713	1/17/2013		30.75	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW6D-ROX-040313	4/3/2013		31.27	NE	<0.00011	<0.00011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011 UJ	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW6D-ROX-070913	7/9/2013	104.72 - 109.72	27.91	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
MW-07	MW-7-111710	11/17/2010	42.92 - 52.92	36.93	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.005 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW-7-111710-Dup	11/17/2010		36.93	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05		<0.01	<0.007 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW7-ROX-012511	1/25/2011		37.52	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011		<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.003 U	<0.011
	MW07-ROX-051311	5/13/2011		37.50	NE	0.00011 J	<0.00011 UJ	0.000031 J J	<0.000054 UJ	<0.00011 UJ	<0.000054 UJ	<0.00011 UJ	<0.00011 UJ	<0.011	<0.011	<0.0054	<0.0032 U	<0.0071 U	<0.011	<0.00011 UJ	<0.00011 UJ	<0.0054	<0.011	<0.00097 U	<0.011
	MW07-ROX-051311D	5/13/2011		37.50	NE	0.00011 J	<0.00011 UJ	0.000034 J J	<0.000055 UJ	0.000018 J J	<0.000055 UJ	<0.00011 UJ	<0.00011 UJ	<0.011	<0.011	<0.0055	<0.0035 U	<0.007 U	<0.011	<0.00011 UJ	<0.00011 UJ	<0.0055	<0.011	<0.0055	<0.011
	MW7-ROX-072411	7/24/2011		35.65	NE	0.0001 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011	0.000018 J	<0.00011	<0.0054	<0.011	<0.0054	<0.011
	MW-7-ROX-110211	11/2/2011		35.95	NE	<0.00026 U	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01 UJ
	MW7-ROX-011812	1/18/2012		38.10	NE	0.00025	<0.0001	<0.0001	<0.00005	<0.000024 U	<0.00005	<0.0001	<0.0001		<0.01 UJ	<0.005	<0.002	0.00049 J	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW7-ROX-011812-DUP	1/18/2012		38.10	NE	0.00027	<0.00011	<0.00011	<0.000056	<0.00003 U	<0.000056	<0.00011	<0.00011		<0.011 UJ	<0.0056	0.00044 J	0.00048 J	<0.011	<0.00011	<0.00011	<0.0056	<0.011	<0.0056	<0.011
	MW7-ROX-050412	5/4/2012		39.19	NE	0.00028	<0.0001	<0.0001	0.00011	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.00071 J	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW7-ROX-080712	8/7/2012		39.50	NE	0.00024	0.000037 J	0.000022 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0006 J	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.00058 U	<0.01
	MW7-ROX-103012	10/30/2012		41.23	NE	0.00031	<0.00012	<0.00012	<0.000058	<0.00012	<0.000058	<0.00012	<0.00012	<0.012	<0.012	<0.0058	0.0015 J	<0.0058	<0.012	<0.00012	<0.00012	<0.0023	<0.012	<0.0058	<0.012
	MW7-ROX-103012-DUP	10/30/2012		41.23	NE	0.00034	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	0.0007 J	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
	MW7-ROX-011513	1/15/2013		42.21	NE	0.00073	0.00011	0.000059 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	0.00061 J	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW7-ROX-011513-DUP	1/15/2013		42.21	NE	0.00066	0.000093 J	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	0.00055 J	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW7-ROX-041013	4/10/2013		42.70	NE	0.0012	0.00015	0.000089 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.00083 J	<0.011	<0.0054	<0.011
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	0.0012	0.00016	0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.00088 J	<0.011	<0.0053	<0.011
	MW7-ROX-071713	7/17/2013	42.92 - 52.92	39.60	NE	0.00019	0.000031 J	0.000028 J	0.00004 J	0.000044 J	0.000045 J	0.00008 J	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	0.000077 J	<0.0022	<0.011	<0.0054	<0.011

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-08	MW-8-111710	11/17/2010	33.60 - 43.60	27.84	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.006 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.018
	MW8-ROX-012511	1/25/2011		28.59	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01		<0.005	0.00086 J	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	<0.0025 U	0.0233
	MW8-ROX-012511-DUP	1/25/2011		28.59	NE	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011		<0.0057	0.0012 J	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.011	0.0125	0.0299
	MW08-ROX-051311	5/13/2011		28.35	NE	0.00035 J	<0.00011 UJ	0.000063 J J	<0.000055 UJ	<0.00011 UJ	<0.000055 UJ	<0.00011 UJ	<0.00011 UJ	<0.011	<0.011	<0.0055	<0.0031 U	<0.0055	<0.011	<0.00011 UJ	<0.00011 UJ	<0.0055	<0.011	<0.0018 U	0.0225
	MW08-ROX-051311D	5/13/2011		28.35	NE	0.00029 J	<0.00011 UJ	0.000054 J J	<0.000056 UJ	<0.00011 UJ	<0.000056 UJ	<0.00011 UJ	<0.00011 UJ	<0.011	<0.011	<0.0056	<0.0034 U	<0.0056	<0.011	<0.00011 UJ	<0.00011 UJ	<0.0056	<0.011	<0.0011 U	0.0232
	MW8-ROX-072411	7/24/2011		26.02	NE	0.00029	<0.00011	0.000067 J	0.00013 B	0.00016 B	0.00016 B	0.000048 J	0.00017 B	<0.011 UJ	<0.011	<0.0054	0.0019 J	<0.0054	<0.011	0.000099 JB	<0.00011	<0.0054	<0.011	<0.0054	0.0228
	MW8-ROX-072411-DUP	7/24/2011		26.02	NE	0.00027	<0.00011	0.000062 J	0.00012 B	0.00019 B	0.00018 B	0.000058 J	0.00021 B	<0.011 UJ	<0.011	<0.0055	0.0013 J	<0.0055	<0.011	0.000099 JB	<0.00011	<0.0055	<0.011	<0.0055	0.0213
	MW-8-ROX-110211	11/2/2011		27.02	NE	<0.00023 U	<0.000095	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095	<0.0095	<0.0048	<0.0019	<0.0048	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	0.0383 J
	MW8-ROX-011812	1/18/2012		29.15	NE	0.00038 J	<0.00053	<0.00053	<0.00026	<0.00053	<0.00026	<0.00053	<0.00053		<0.011 UJ	<0.0053	0.00052 J	0.00042 J	<0.011	<0.00053	<0.00053	0.0006 J	<0.011	<0.0053	0.015
	MW8-ROX-050412	5/4/2012		30.21	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	0.0204	<0.011	<0.0053	0.00053 J	<0.0053	<0.011	<0.00011	<0.00011	0.00044 J	<0.011	<0.0053	0.0595
	MW8-ROX-050412-DUP	5/4/2012		30.21	NE	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.00047 J	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	0.0557
	MW8-ROX-080712	8/7/2012		30.97	NE	0.00023	0.00013	0.000055 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.00051 J	<0.0054	<0.011	<0.00011	<0.00011	0.00035 J	<0.011	<0.0016 U	0.015
	MW8-ROX-080712-DUP	8/7/2012		30.97	NE	0.0002	0.00029	0.000071 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	0.00043 J	<0.0056	<0.011	<0.00011	<0.00011	0.0004 J	<0.011	<0.0018 U	0.0158
	MW8-ROX-103012	10/30/2012		32.32	NE	0.00026	0.00011	0.00044	<0.00087 U	0.00053 B	0.00057 B	0.00058 B	0.00064 B	<0.011	<0.011	<0.0053	0.0012 J	0.00086 J	<0.011	0.00066 B	0.00059 B	<0.0021	<0.011	<0.0053	0.0085 J
	MW8-ROX-011513	1/15/2013		33.30	NE	0.00017	0.000085 J	0.000029 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	0.00089 J	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	0.019
	MW8-ROX-041013	4/10/2013		33.77	NE	0.00018	0.000059 J	0.000072 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.0023	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0358
	MW8-ROX-071713	7/17/2013	33.60 - 43.60	30.43	NE	0.0002	<0.0001	0.000049 J	<0.000052	0.000021 J	<0.000052	0.00004 J	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	0.009 J
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	0.00019	0.000056 J	0.000061 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	0.0004 J	<0.011	<0.0054	0.0089 J
MW-09	MW-9-111510	11/15/2010	46.45 - 56.45	39.00	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.001 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-012111	1/21/2011		39.62	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011 UJ		<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.001 U	<0.011
	MW09-ROX-050611	5/6/2011		40.12	NE	<0.000097 UJ	<0.000097 UJ	<0.000097 UJ	<0.000049 UJ	<0.000097 UJ	<0.000049 UJ	<0.000097 UJ	<0.000097 UJ	<0.0097	<0.0097	<0.0049	<0.0019	<0.0049	<0.0097	<0.000097 UJ	<0.000097 UJ	<0.0049	<0.0097	<0.0018 U	<0.0097
	MW9-ROX-072311	7/23/2011		38.06	NE	<0.00011	<0.00011	<0.00011	<0.00021 U	<0.00013 U	<0.00015 U	<0.000046 U	<0.00018 U	<0.01 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.01 UJ	<0.0002 U	<0.00011	<0.0054	<0.01 UJ	<0.0054	<0.01 UJ
	MW9-ROX-110111	11/1/2011		37.78	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW9-ROX-011612	1/16/2012		39.50	NE	<0.00011	<0.00011	<0.00011	<0.000057	0.000058 J	0.000051 J	<0.000096 U	<0.00011	<0.011 UJ	<0.011	<0.0057	<0.00085 U	<0.00037 U	<0.011	<0.00011	<0.000078 U	<0.0057	<0.011	<0.0057	<0.011
	MW9-ROX-050312	5/3/2012		41.03	NE												0.0016 J J	0.00045 JB J							
	MW9-ROX-072712	7/27/2012		41.30	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001 UJ	<0.0001	<0.01	<0.01	<0.005	<0.00043 U	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW9-ROX-102912	10/29/2012		43.17	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW9-ROX-011113	1/11/2013		43.90	NE	0.000068 J	0.000064 J	0.00006 J	<0.000054	<0.00011	0.000026 J	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	MW9-ROX-040913	4/9/2013		44.67	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.000052 UJ	<0.0001 UJ	<0.0001 UJ	<0.01 UJ	<0.01 UJ	<0.0052 UJ	<0.0021 UJ	<0.0052 UJ	<0.01 UJ	<0.0001 UJ	<0.0001 UJ	<0.0021 UJ	<0.01 UJ	<0.0016 UJ	<0.01 UJ
	MW9-ROX-070813	7/8/2013	46.45 - 56.45	42.35	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	0.000035 J	<0.00011	<0.00011	R	<0.011	<0.0056	<0.0022	<0.0056	R	<0.00011	<0.00011	<0.0022	R	<0.0056	R

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-10	MW-10-111010	11/10/2010	44.43 - 54.43	38.97	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW10-ROX-012411	1/24/2011		39.40	NE	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01		<0.0051	0.00068 J	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.001 U	<0.01
	MW10-ROX-012411-DUP	1/24/2011		39.40	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01		<0.005	0.00071 J	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	<0.0012 U	<0.01
	MW10-ROX-042811	4/28/2011		40.20	NE	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0095 UJ	<0.0095	<0.0048	<0.00051 U	<0.0048	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.0048	<0.0095
	MW10-ROX-072311	7/23/2011		38.01	NE	<0.0001	<0.0001	<0.0001	<0.00025 U	<0.00013 U	<0.00014 U	<0.000039 U	<0.00017 U	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.00027 U	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW10-ROX-110111	11/1/2011		37.72	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW10-ROX-011612	1/16/2012		39.28	NE	<0.00011	<0.00011	0.000027 J	0.000037 J	0.000031 J	0.000043 J	<0.000042 U	<0.00011	<0.011 UJ	<0.011	<0.0053	0.0255	<0.0013 U	<0.011	<0.00011	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW10-ROX-050112	5/1/2012		40.86	NE	<0.0001	<0.0001	0.000018 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	MW10-ROX-072712	7/27/2012		41.21	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001 UJ	<0.0001	<0.01	<0.01	<0.005	<0.00067 U	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW10-ROX-102612	10/26/2012		43.08	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
	MW10-ROX-121712	12/17/2012		43.08	NE																				
	MW10-ROX-011013	1/10/2013		44.10	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW10-ROX-012113	1/21/2013		44.10	NE	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.05	<0.02	<0.01	<0.006	<0.01	<0.02	<0.0001	<0.0001	<0.01	<0.01	<0.01	<0.01
	MW10-ROX-040913	4/9/2013		44.60	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0018 U	<0.011
	MW10-ROX-070813	7/8/2013	44.43 - 54.43	42.27	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0027 U	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
MW-11	MW-11-111710	11/17/2010	41.66 - 51.66	36.39	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.003 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW11-ROX-012411	1/24/2011		37.15	NE	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.01		<0.0052	0.00073 J	<0.0052	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.001 U	<0.01
	MW11-ROX-050611	5/6/2011		37.60	NE	<0.000095 UJ	<0.000095 UJ	<0.000095 UJ	<0.000042 UJ	<0.000095 UJ	0.000025 J J	0.000022 J J	0.000014 J J	<0.0095	<0.0095	<0.0048	<0.0028 U	<0.0048	<0.0095	0.000037 J J	<0.000095 UJ	<0.0048	<0.0095	<0.0009 U	<0.0095
	MW11-ROX-072411	7/24/2011		34.3	NE	<0.00011	<0.00011	<0.00011	0.00013 B	0.00012 B	0.00013 B	0.000035 J	0.00014 B	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	0.00013 B	<0.00011	<0.0056	<0.011	<0.0056	<0.011
	MW-11-ROX-110211	11/2/2011		35.44	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0054	<0.011	<0.0054	<0.011 UJ
	MW11-ROX-011712	1/17/2012		37.44	NE			0.000022 J J					0.000065 J J												
	MW11-ROX-043012	4/30/2012		38.66	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW11-ROX-072712	7/27/2012		38.90	NE	<0.00012	<0.00012	<0.00012	<0.000058	<0.00012	<0.000058	<0.00012 UJ	<0.00012	<0.012	<0.012	<0.0058	<0.00056 U	<0.0058	<0.012	<0.00012	<0.00012	<0.0023	<0.012	<0.0058	<0.012
	MW11-ROX-102512	10/25/2012		40.59	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.00042 U	<0.011
	MW11-ROX-011013	1/10/2013		41.43	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01 UJ	<0.01 UJ	<0.005 UJ	<0.002 UJ	<0.005 UJ	<0.01 UJ	<0.0001 UJ	<0.0001 UJ	<0.002 UJ	<0.01 UJ	<0.005 UJ	<0.01 UJ
	MW11-ROX-040813	4/8/2013		42.02	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW11-ROX-070813	7/8/2013	41.66 - 51.66	39.24	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0052 U	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
MW-12	MW-12-111510	11/15/2010	41.92 - 51.92	36.63	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.003 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MW12-ROX-012411	1/24/2011		37.42	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01		<0.005	<0.002	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00077 U	<0.01
	MW12-ROX-051211	5/12/2011		37.58	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	0.000019 J J	<0.0001 UJ	<0.005	<0.01	<0.005	<0.01
	MW12-ROX-072411	7/24/2011		35.55	NE	<0.0001	<0.0001	<0.0001	0.000072 B	0.00014 B	0.00014 B	0.000053 J	0.00019 B	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01 UJ	0.000072 JB	0.000031 JB	<0.005	<0.01 UJ	<0.005	<0.01 UJ
	MW-12-ROX-110211	11/2/2011		35.70	NE	<0.000095	<0.000095	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095	<0.0095	<0.0048	<0.0019	<0.0048	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095 UJ
	MW-12-ROX-110211-DUP	11/2/2011		35.70	NE	<0.000095	<0.000095	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095	<0.0095	<0.0048	<0.0019	<0.0048	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095 UJ
	MW12-ROX-011712	1/17/2012		37.70	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00016 U	<0.00013 U	<0.00021 U	0.00013	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.00029 U	<0.011	<0.00011	<0.00021 U	<0.0054	<0.011	<0.0054	<0.011
	MW12-ROX-011712-DUP	1/17/2012		37.70	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.000039 U	<0.00004 U	<0.000067 U	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.00033 U	<0.011	<0.00011	<0.000051 U	<0.0056	<0.011	<0.0056	<0.011
	MW12-ROX-043012	4/30/2012		38.98	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	MW12-ROX-072712	7/27/2012		39.22	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011 UJ	<0.00011	<0.011	<0.011	<0.0053	<0.0019 U	0.00029 J	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW12-ROX-102512	10/25/2012		40.95	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.00077 U	<0.011
	MW12-ROX-011013	1/10/2013		41.83	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	0.000026 J	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	MW12-ROX-040813	4/8/2013		42.46	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW12-ROX-070913	7/9/2013	41.92 - 51.92	39.28	NE	<0.00011	<0.00011	<0.00011	0.00012 J	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-13	MW13-ROX-012511	1/25/2011	25.57 - 35.57	24.28	NE	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.01		<0.0052	<0.0021	<0.0052	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.0027 U	<0.01
	MW13-ROX-051311	5/13/2011		23.65	NE	<0.000099 UJ	0.000067 J J	0.000059 J J	0.000042 J J	0.000016 J J	<0.00005 UJ	<0.000099 UJ	<0.000099 UJ	<0.0099	<0.0099	<0.005	<0.0027 U	<0.005	<0.0099	0.000059 J J	<0.000099 UJ	<0.005	<0.0099	<0.00086 U	<0.0099
	MW13-ROX-080311	8/3/2011		21.67	NE	<0.0001	<0.0001	0.00011	0.000037 J	0.000039 J	0.000037 J	0.000053 J	0.000036 J	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	0.000036 J	<0.0001	<0.005	<0.01	<0.005	<0.01
	MW13-ROX-110311	11/3/2011		22.85	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0056	<0.011	<0.0056	<0.011 UJ
	MW13-ROX-012012	1/20/2012		24.77	NE	<0.00011	0.00014	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	0.0087 J J	<0.011	<0.0053	<0.0007 U	<0.0007 U	<0.011	<0.00011	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW13-ROX-050712	5/7/2012		25.79	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	MW13-ROX-080812	8/8/2012		26.67	NE	0.0001 J	0.00019	0.000063 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	MW13-ROX-110812	11/8/2012		25.30	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW13-ROX-012313	1/23/2013		29.26	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055 UJ	<0.011
	MW13-ROX-041213	4/12/2013		29.44	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	MW13-ROX-071213	7/12/2013	25.57 - 35.57	25.67	NE	<0.00011	<0.000063 U	<0.000058 U	<0.00014 U	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.00079 J	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
MW-14	MW14-ROX-110911	11/9/2011	33.42 - 43.42			<0.00011	<0.00011 UJ	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	MW14-ROX-051012	5/10/2012		NM	NE	0.00046	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.00042 U	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	0.00084 J	<0.0052	<0.01
	MW14-ROX-080312	8/3/2012		29.87	NE	0.00095	0.00015	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.00049 J	<0.0053	<0.011	<0.00011	<0.00011	0.00076 J	0.00096 J	<0.0053	<0.011
	MW14-ROX-103112	10/31/2012		32.02	NE	0.00074	0.00008 J	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	0.0003 J	<0.01	<0.005	<0.01 UJ
	MW14-ROX-011813	1/18/2013		33.05	NE	0.00092	0.00013	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	MW14-ROX-041113	4/11/2013		33.31	NE	0.00068	0.000098 J	<0.00011	0.00013	<0.00011	0.000054	0.000053 J	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	MW14-ROX-071213	7/12/2013	33.42 - 43.42	30.36	NE	0.00046 B	<0.000062 U	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	0.00066 J	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
MW-16	MW16-ROX-012313	1/23/2013	37.06 - 47.06	43.05	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053 UJ	<0.011
	MW16-ROX-040813	4/8/2013		43.39	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW16-ROX-070813	7/8/2013	37.06 - 47.06	40.62	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
MW-22	MW22-ROX-012313	1/23/2013	37.88 - 47.88	41.80	NE	0.00018	<0.0001	0.00002 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	0.0031 J	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052 UJ	0.0146
	MW22-ROX-012313-DUP	1/23/2013		41.80	NE	0.00018	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	0.0033 J	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053 UJ	0.0149
	MW22-ROX-040513	4/5/2013		42.23	NE	0.00018	0.000049 J J	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0269
	MW22-ROX-071113	7/11/2013	37.88 - 47.88	39.35	NE	0.00026	0.00048	0.000035 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.0017 J	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.104
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	0.00018	0.00047	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	0.0021 J	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	0.0978
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.0001	<0.0001 UJ	<0.0001	<0.000052	<0.0001	0.000057	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	MW24-ROX-071113	7/11/2013	38.89 - 48.89	40.35	NE	0.000024 J	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011 UJ	<0.00011	<0.00011	<0.0022	<0.011 UJ	<0.0054	<0.011 UJ
P-54	P-54-111710	11/17/2010	38.00 - 63.00	36.43	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.003 U	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	P54-ROX-012411	1/24/2011		37.24	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01		<0.005	<0.002	<0.005	<0.01	<0.005	<0.005	<0.005	<0.01	<0.002 U	<0.01
	P54-ROX-051111	5/11/2011		37.37	NE	<0.00011 UJ	<0.00011 UJ	<0.00011 UJ	<0.000054 UJ	0.0001 J J	<0.000054 UJ	<0.00011 UJ	<0.00011 UJ	<0.01	<0.01	<0.005	<0.0024 U	<0.005 UJ	<0.01	0.000019 J J	<0.00011 UJ	<0.005	<0.01	<0.005 UJ	<0.01
	P54-ROX-072411	7/24/2011		35.38	NE	<0.0001	<0.0001	<0.0001	0.000079 B	0.00014 B	0.00015 B	0.000053 J	0.00017 B	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	0.000081 JB	0.00002 JB	<0.005	<0.01	<0.005	<0.01
	P54-ROX-110311	11/3/2011		35.49	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	P54-ROX-011712	1/17/2012		37.17	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.000024 U	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P54-ROX-050412	5/4/2012		38.77	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	0.0045 J	<0.01	<0.0051	0.0133	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	P54-ROX-080212	8/2/2012		38.95	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	P54-ROX-103012	10/30/2012		40.70	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	P54-ROX-011113	1/11/2013		41.56	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	P54-ROX-041013	4/10/2013		41.80	NE	<0.00011	<0.00011	<0.00011	<0.000057	<0.00011	<0.000057	<0.00011	<0.00011	<0.011	<0.011	<0.0057	<0.0023	<0.0057	<0.011	<0.00011	<0.00011	<0.0023	<0.011	<0.0057	<0.011
	P54-ROX-050313	5/3/2013		41.80	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
	P54-ROX-071113	7/11/2013	38.00 - 63.00	39.07	NE	0.000032 J	0.000016 J	0.000018 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	0.00052 J	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01

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						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
				Screening Values (mg/L)		0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-55	P55-ROX-103111	10/31/2011	39.82 - 64.82	39.15	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.0022	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	P55-ROX-011912	1/19/2012		41.09	NE	0.00017	<0.0001	<0.0001	<0.000052	0.000022 J	<0.000052	<0.0001	<0.0001		<0.01 UJ	<0.0052	<0.0021	<0.00048 U	<0.01	<0.0001	<0.0001	0.00035 J	<0.01	<0.0052	<0.01
	P55-ROX-011912-D	1/19/2012		41.09	NE	0.00015	<0.00011	<0.00011	<0.000054	0.000067 J	0.000061	0.00011	0.000071 J		<0.011 UJ	<0.0054	<0.0022	<0.00035 U	<0.011	<0.00011	0.000086 J	0.00033 J	<0.011	<0.0054	<0.011
	P55-ROX-050912	5/9/2012		42.44	NE	0.00036	0.000095 J	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	P55-ROX-012113	1/21/2013		43.6	NE	0.00069	0.00019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.05	<0.02	<0.01	<0.006	<0.01	<0.02	<0.0001	<0.0001	0.001 J	<0.01	<0.01	0.004 J
	P55-ROX-012113	1/21/2013	40.85 - 50.85	43.6	NE	0.00054	0.00014	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	0.001 J	<0.01	0.00073 J	0.0024 J
	P55-ROX-041513	4/15/2013		43.63	NE	0.00073	0.00021	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	0.0017 J	<0.01	<0.0052	<0.01
	P55-ROX-071613	7/16/2013	40.85 - 50.85	40.06	NE	0.00066	0.0002	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056 UJ	<0.00066 U	<0.0056	<0.011	<0.00011	<0.00011	0.0016 J	<0.011	<0.0056	0.0024 J
P-56	P56-ROX-102711	10/27/2011	40.82 - 65.82	39.42	NE	0.0007	0.00013	0.00013	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0026	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P56-ROX-011912	1/19/2012		41.81	NE	0.00064	<0.0001	0.00011	<0.000051	0.000021 J	<0.000051	<0.0001	<0.0001		<0.01 UJ	<0.0051	<0.00066 U	<0.00053 U	<0.01	<0.0001	<0.0001	0.00064 J	<0.01	<0.0051	<0.01
	P56-ROX-050812	5/8/2012		43.09	NE	0.00057	0.0001	<0.0001	<0.00011 U	<0.00012 U	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P56-ROX-080612	8/6/2012		43.60	NE	0.00058	0.000087 J	0.00013	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	0.00051 J	<0.01	<0.0014 U	<0.01
	P56-ROX-103112	10/31/2012		44.80	NE	0.0011	<0.0001	0.00012	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	0.00066 J	<0.01	<0.0051	<0.01 UJ
	P56-ROX-011713	1/17/2013		45.65	NE	0.00039	0.000083 J	0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.0044	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P56-ROX-041213	4/12/2013		46.12	NE	0.00053	0.000088 J	0.0001 J	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
	P56-ROX-071513	7/15/2013	40.82 - 65.82	43.25	NE	0.00065	0.00013	0.00014	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055 UJ	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	0.00075 J	<0.011	<0.0055	0.0086 J
P-57	P57-ROX-110811	11/8/2011	40.46 - 65.46	39.20	NE	0.00055	<0.00054	<0.00054	<0.00027	<0.00054	<0.00027	<0.00054	<0.00054	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00054	<0.00054	<0.0054	<0.011	<0.0054	<0.011
	P57-ROX-021312	2/13/2012		42.13	NE	0.00056	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.00043 J	<0.00043 U	<0.01	<0.0001	<0.0001	0.00087 J	<0.01	<0.0051	0.0045 J
	P57-ROX-050712	5/7/2012		42.92	NE	0.00033	<0.0001	<0.0001	0.00011	0.00012	<0.000052	<0.0001	<0.0001	<0.01	<0.01	0.0008 J	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P57-ROX-080612	8/6/2012		43.53	NE	0.00056	0.0001	0.000073 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	0.00079 J	<0.01	<0.00096 U	0.0029 J
	P57-ROX-080612-DUP	8/6/2012		43.53	NE	0.00051	0.0001	0.000064 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	0.00073 J	<0.01	<0.001 U	0.0029 J
	P57-ROX-110512	11/5/2012		44.98	NE	0.00053	<0.0001	0.000061 J	<0.00005	<0.0001	<0.00005	0.00005 J	<0.0001	<0.01 UJ	<0.01	<0.005	0.00052 J	<0.005	<0.01	<0.0001	0.000049 J	0.0006 J	<0.01	<0.005	<0.01 UJ
	P57-ROX-012913	1/29/2013		45.92	NE	0.00061	0.00013	0.000076 J	<0.000059	<0.00012	<0.000059	<0.00012	<0.00012	<0.012	<0.012	<0.0059	<0.0024	<0.0059	<0.012	<0.00012	<0.00012	<0.0024	<0.012	<0.0059	0.0023 J J
	P57-ROX-041113	4/11/2013		46.29	NE	0.00063	0.00012	0.000073 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	P57-ROX-071613	7/16/2013	40.46 - 65.46	43.38	NE	0.00047	0.0001 J	0.000077 J	0.00012	<0.00011	<0.000056	<0.00011	<0.00011	<0.011	<0.011	<0.0056 UJ	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	0.00088 J	<0.011	<0.0056	0.002 J
P-58	P58-ROX-102811	10/28/2011	40.21 - 65.21	37.31	NE	0.0011	<0.000097	<0.000097	<0.000049	<0.000097	<0.000049	<0.000097	<0.000097	<0.0097	<0.0097	<0.0049	0.003	<0.0049	<0.0097	<0.000097	<0.000097	<0.0049	<0.0097	<0.0049	<0.0097
	P58-ROX-011912	1/19/2012		39.73	NE	0.001	<0.00011	<0.00011	0.000039 J	0.000051 J	0.000032 J	0.000047 J	<0.00011		<0.011 UJ	<0.0053	0.0361 J	<0.00059 U	<0.011	<0.00011	<0.00011	0.0026 J	<0.011	<0.0053	<0.011
	P58-ROX-011912-D	1/19/2012		39.73	NE	0.00092	<0.00011	<0.00011	0.000036 J	0.000036 J	<0.000053	<0.00011	<0.00011		<0.011 UJ	<0.0053	0.024 J	<0.0053	<0.011	<0.00011	<0.00011	0.0023 J	<0.011	<0.0053	<0.011
	P58-ROX-050712	5/7/2012		40.90	NE	0.00059	0.00019	0.00057 J	0.00017	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	0.0017 J	<0.01	<0.0051	<0.01
	P58-ROX-050712-DUP	5/7/2012		40.90	NE	0.00044	0.00015	<0.0001 UJ	0.00015	0.000032 J	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P58-ROX-080612	8/6/2012		41.63	NE	0.00086	0.00029	0.000094 J	0.00024	0.00011	0.000064	0.000043 J	<0.0001	<0.01	<0.01	<0.005	0.00043 J	<0.005	<0.01	0.0001	<0.0001	0.0022	<0.01	<0.005	<0.01
	P58-ROX-080612-DUP	8/6/2012		41.63	NE	0.00098	0.0003	0.00011	0.00021	0.000098 J	0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.00042 J	<0.005	<0.01	0.000099 J	<0.0001	0.0025	<0.01	<0.005	<0.01
	P58-ROX-110612	11/6/2012		43.09	NE																				
	P58-ROX-121012	12/10/2012		43.09	NE	0.00093	0.00024	0.00083	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.0103	<0.0054	<0.011	<0.00011	<0.00011	0.002 J	<0.011	<0.0054	<0.011
	P58-ROX-012213	1/22/2013		44.21	NE	0.0011	0.0006	<0.00011	0.00038	0.00022	0.00012	0.00012	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	0.00039	0.000068 J	0.0038	<0.011	<0.0054	<0.011
	P58-ROX-041113	4/11/2013		44.40	NE	0.0015	0.0005	<0.00011	0.0003	0.00019	0.000095	0.000074 J	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	0.00032	<0.00011	0.0044	<0.011	<0.0054	<0.011
	P58-ROX-071613	7/16/2013	40.21 - 65.21	41.49	NE	0.00076	0.00027	0.000096 J	0.00018	0.000073 J	0.000045 J	<0.00011	<0.00011	<0.011	<0.011	<0.0055 UJ	<0.0022	<0.0055	<0.011	0.00012	<0.00011	0.0025	<0.011	<0.0055	<0.011

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-59	P59-ROX-102711	10/27/2011	47.91 - 72.91	41.06	NE	0.00077	0.00012	0.00046	0.00019	<0.00011	0.000073	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.0028	<0.0053	<0.011	0.00034	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	P59-ROX-011912	1/19/2012		42.88	NE	0.00036	<0.00011	0.00025	0.000055 J	0.000038 J	0.000037 J	0.000052 J	<0.00011		0.0011 J	<0.0057	<0.00079 U	<0.0011 U	<0.011	0.000085 J	<0.00011	<0.0057	<0.011	<0.0057	0.0133
	P59-ROX-011912-DUP	1/19/2012		42.88	NE	0.00037	<0.0001	0.00015	0.00005 J	0.000029 J	0.000027 J	<0.0001	<0.0001		0.00091 J	<0.0051	<0.002	<0.00061 U	<0.01	0.000074 J	<0.0001	0.00042 J	<0.01	<0.0051	0.0108
	P59-ROX-050912	5/9/2012		44.11	NE	0.00022	<0.0001	0.000095 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	0.0161	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	0.0085 J
	P59-ROX-080212	8/2/2012		44.07	NE	0.00042	0.0001 J	0.00014	0.00021	0.000036 J	0.000047 J	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	0.00036 J	<0.011	<0.0053	0.0088 J
	P59-ROX-110212	11/2/2012		45.98	NE	0.00043	<0.00011	0.000086 J	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	0.00031 J	<0.011	<0.0053	0.0102 J J
	P59-ROX-110212-DUP	11/2/2012		45.98	NE	0.00042	<0.0001	0.000084 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	0.00029 J	<0.01	<0.0052	0.0092 J J
	P59-ROX-013013	1/30/2013		46.60	NE	0.00047	<0.0001	0.00012	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0041	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	0.0581
	P59-ROX-041213	4/12/2013		46.95	NE	0.00057	0.00013	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	0.0831 J	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	0.0919
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	0.00058	0.00012	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	0.0518 J	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0914
	P59-ROX-071613	7/16/2013	47.91 - 72.91	44.13	NE	0.00035	0.000071 J	0.000092 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054 UJ	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	0.00041 J	<0.011	<0.0054	0.0583
P-66	P66-ROX-110111	11/1/2011	34.72 - 59.72	28.92	NE	0.0018	<0.0001	<0.0001	<0.000095 U	<0.0001	<0.000088 U	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.00011 U	<0.0001	<0.005	<0.01	<0.005	<0.01
	P66-ROX-051012	5/10/2012		32.48	NE	0.00078	<0.0001	<0.0001	<0.00005	<0.0001	0.000024 J	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.00053 U	<0.005	<0.01	<0.0001	<0.0001	0.0018 J	<0.01	<0.005	<0.01
	P66-ROX-080312	8/3/2012		30.51	NE	0.00073	0.00025	<0.00011	0.00018	0.000066 J	0.00008	0.000066 J	<0.00011	<0.011	<0.011	<0.0053	0.00075 J	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	P66-ROX-103112	10/31/2012		34.75	NE	0.00078	0.00022	0.0006	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	0.0019 J	<0.01	<0.005	<0.01 UJ
	P66-ROX-011813	1/18/2013		35.70	NE	0.00074	0.00034	<0.000055 U	<0.000053	<0.00011	<0.000028 U	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	0.0018 J	<0.011	<0.0053	<0.011
	P66-ROX-041113	4/11/2013		36.03	NE	0.0011	0.00028	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	0.0025	<0.011	<0.0053	<0.011
	P66-ROX-071213	7/12/2013	34.72 - 59.72	33.20	NE	0.00087	<0.00011	<0.0002 U	0.00018 B	<0.00015 U	0.00017 B	<0.00019 U	0.00015	<0.011 UJ	<0.011	<0.0056	0.0124	<0.0056	<0.011	0.00017	0.00017	0.0016 J	<0.011	<0.0056	<0.011
P-74	P74-ROX-103111	10/31/2011	44.43 - 69.43	36.26	NE	0.00033	0.00012	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	P74-ROX-011912	1/19/2012		38.77	NE	<0.000095	<0.000095	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095		<0.0095 UJ	<0.0048	<0.0019	<0.00043 U	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095
	P74-ROX-050712	5/7/2012		39.92	NE	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P74-ROX-080612	8/6/2012		40.71	NE	0.00016	0.000056 J	0.000041 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0012 U	0.0039 J
	P74-ROX-110112	11/1/2012		41.72	NE	0.00023	<0.0001	0.000044 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0052	0.00044 J	<0.0052	<0.01	<0.0001	<0.0001	0.00031 J	0.001 J	<0.0052	0.008 J J
	P74-ROX-011713	1/17/2013		42.65	NE	0.00019	0.0001	0.000063 J	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	0.0028 J	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	0.0021 J
	P74-ROX-041113	4/11/2013		42.83	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	P74-ROX-071513	7/15/2013	44.43 - 69.43	40.11	NE	<0.000063 U	<0.00011	0.000032 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	0.0013 J	<0.0054	<0.011
P-93A	P93A-102610	10/26/2010	48.17 - 63.17	40.75	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.047		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
	P93A-ROX_012611	1/26/2011		40.97	NE	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098 UJ		<0.0049	<0.002	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0098	<0.0014 U	<0.0098
	P93A-ROX-050511	5/5/2011		41.88	NE	0.00026 J	<0.0001 UJ	0.000035 J J	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001 UJ	<0.0001 UJ	0.00035 J	<0.01	<0.00073 U	<0.01
	P93A-ROX-081811	8/18/2011		39.40	NE	0.00036	<0.0001	0.000058 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.003	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.0029 U	<0.01
	P93A-ROX-102611	10/26/2011		39.43	NE	0.00024	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.0075	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	P93A-ROX-012012	1/20/2012		41.66	NE	0.00014	<0.000095	0.000032 J	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095 UJ	<0.0095	<0.0048	<0.006 U	<0.00053 U	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095
	P93A-ROX-050812	5/8/2012		42.75	NE	<0.0001	<0.0001	<0.0001	<0.0001 U	<0.00012 U	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0029	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	P93A-ROX-080912	8/9/2012		43.66	NE	0.00015	<0.00011	0.000048 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	0.0032 J	<0.011	<0.0054	0.0153	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	P93A-ROX-110712	11/7/2012		45.00	NE	<0.00022 U	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0026	<0.0052	<0.01	<0.0001	<0.0001	0.00027 J	<0.01	<0.0052	<0.01
	P93A-ROX-110712-DUP	11/7/2012		45.00	NE	0.00029 B	<0.0001	0.000061 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0023	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	P93A-ROX-012313	1/23/2013		45.89	NE	0.00016	<0.0001	0.000028 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0099	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052 UJ	<0.01
	P93A-ROX-012313-DUP	1/23/2013		45.89	NE	0.00014	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.011	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052 UJ	<0.01
	P93A-ROX-041113	4/11/2013		46.29	NE	0.00023	<0.0001	0.000074 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	0.00021	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P93A-ROX-071813	7/18/2013	48.17 - 63.17	43.25	NE	<0.00011	0.000032 J	0.00003 J	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	0.00024 J	<0.011	<0.0056	<0.011

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-93B	P93B-102610	10/26/2010	74.60 - 76.60	40.73	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.047		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
	P93B-ROX_012611	1/26/2011		41.03	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011 UJ		<0.0053	<0.0021	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.00086 U	<0.011
	P93B-ROX-050511	5/5/2011		41.96	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.005	<0.01
	P93B-ROX-081811	8/18/2011		39.44	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.001 J	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0021 U	<0.01
	P93B-ROX-102611	10/26/2011		39.48	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0103	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P93B-ROX-012012	1/20/2012		41.72	NE	<0.000095	0.000028 J	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095 UJ	<0.0095	<0.0048	<0.0033 U	<0.00033 U	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095
	P93B-ROX-050812	5/8/2012		42.79	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.00012 U	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	P93B-ROX-080912	8/9/2012		43.69	NE	<0.00011	0.000087 J	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	0.0036	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.00051 U	<0.011
	P93B-ROX-110712	11/7/2012		45.05	NE	<0.0001	0.000073 JB	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0017 J	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	P93B-ROX-110712-DUP	11/7/2012		45.05	NE	<0.000047 U	0.000058 J	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.00057 J	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P93B-ROX-012313	1/23/2013		45.89	NE	0.00014	0.000072 J	0.00013	0.00022	0.00011	0.00013	0.00012	0.00012	<0.011	<0.011	<0.0053	0.0055	0.0032 J	0.0013 J	0.00012	0.00012	<0.0021	<0.011	<0.0053 UJ	0.0021 J
	P93B-ROX-041113	4/11/2013		46.32	NE	<0.0001	<0.0001	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.0051	<0.01
	P93B-ROX-071813	7/18/2013	74.60 - 76.60	43.30	NE	<0.00011	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
P-93C	P93C-102610	10/26/2010	94.26 - 96.26	40.69	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.047		<0.009	<0.001 U	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
	P93C-ROX_012611	1/26/2011		40.91	NE	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01 UJ		<0.0051	<0.002	<0.0051	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.00097 U	<0.01
	P93C-ROX-050611	5/6/2011		41.84	NE	<0.0001 UJ	0.000041 J J	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.0022 U	<0.005	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.005	<0.01
	P93C-ROX-081811	8/18/2011		39.32	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.0092	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.0015 U	<0.01
	P93C-ROX-102611	10/26/2011		39.36	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P93C-ROX-012012	1/20/2012		41.57	NE	<0.0001	<0.0001	<0.0001	<0.000051	0.000019 J	0.000027 J	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.0096 U	<0.00037 U	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	P93C-ROX-050812	5/8/2012		42.68	NE	<0.00011	<0.00011	<0.00011	<0.00012 U	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.008	<0.0053	<0.011	<0.00011	<0.00011	<0.0053	<0.011	<0.0053	<0.011
	P93C-ROX-080912	8/9/2012		43.57	NE	0.000089 J	0.000022 J	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0043	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.00046 U	<0.01
	P93C-ROX-110812	11/8/2012		45.12	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.00081 J	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P93C-ROX-012313	1/23/2013		45.78	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	0.0049	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055 UJ	<0.011
	P93C-ROX-041213	4/12/2013		46.21	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P93C-ROX-071813	7/18/2013	94.26 - 96.26	43.31	NE	<0.000045 U	<0.00011	0.000021 J	<0.000056	0.00015	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	<0.0022	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011
	P93C-ROX-080813	8/8/2013		43.31	NE																				
P-93D	P93D-102610	10/26/2010	125.44 - 127.44	40.59	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.048		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	P93D-ROX-050511	5/5/2011		41.96	NE	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.00005 UJ	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.005	<0.0027 U	<0.005	<0.01	<0.0001 UJ	<0.0001 UJ	<0.005	<0.01	<0.005	<0.01
	P93D-ROX-081811	8/18/2011		39.46	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.000015 U	<0.0001	<0.005	<0.01	<0.0018 U	<0.01
	P93D-ROX-102711	10/27/2011		39.59	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	P93D-ROX-012012	1/20/2012		41.77	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0054	<0.011	<0.0054	<0.011
	P93D-ROX-050812	5/8/2012	125.75 - 127.75	42.96	NE	<0.0001	<0.0001	<0.0001	<0.0001 U	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	<0.01
	P93D-ROX-080812	8/8/2012		43.71	NE	0.00017	0.000051 J	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.0021 U	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	P93D-ROX-110812	11/8/2012		NM	NE	<0.00011	<0.00011	<0.00011	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
	P93D-ROX-012213	1/22/2013		44.21	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	P93D-ROX-041113	4/11/2013		46.37	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	P93D-ROX-071213	7/12/2013	125.75 - 127.75	43.51	NE	<0.000026 U	<0.00011	<0.00011	<0.000056	<0.00011	<0.000056	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0056	0.00057 J	<0.0056	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0056	<0.011

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						SVOCs																
						Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Benzyl alcohol	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	4-Chloro-3-methylphenol (p-Chloro-m-cresol)	Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol
					Screening Values (mg/L)	0.42 [2]	0.21 [3]	2.1 [2]	0.00013 [2]	0.0002 [1]	0.00018 [2]	0.21 [3]	0.00017 [2]	28 [4]	0.7 [3]	0.01 [2]	0.006 [2]	1.4 [2]		0.0015 [2]	0.0003 [2]	0.007 [3]	0.021 [2]	5.6 [2]	0.14 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-114	P114-ROX-102811	10/28/2011	32.67 - 52.67	24.73	NE	<0.000095	<0.000095	<0.000095	<0.000048	<0.000095	<0.000048	<0.000095	<0.000095	<0.0095	<0.0095	<0.0048	0.0053	<0.0048	<0.0095	<0.000095	<0.000095	<0.0048	<0.0095	<0.0048	<0.0095
	P114-ROX-012012	1/20/2012		27.17	NE	<0.0001	<0.0001	<0.0001	<0.000051	0.000055 J	0.00005 J	0.000058 J	<0.0001	<0.01 UJ	<0.01	<0.0051	<0.0013 U	<0.00044 U	<0.01	<0.0001	0.000053 J	<0.0051	<0.01	<0.0051	<0.01
	P114-ROX-050912	5/9/2012		28.09	NE	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0015 J	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	P114-ROX-080912	8/9/2012		29.13	NE	<0.0001	0.000029 J	<0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	0.0039	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005	<0.01
	P114-ROX-110912	11/9/2012		30.90	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	<0.0021	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	P114-ROX-012313	1/23/2013		30.22	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	0.0059	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053 UJ	<0.011
	P114-ROX-041513	4/15/2013		31.80	NE	<0.0001	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.0052	0.0023	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	P114-ROX-071813	7/18/2013	32.67 - 52.67	27.22	NE	0.00013 B	<0.00011	0.00011	0.000045 J	0.000034 J	0.000064	0.000067 J	<0.00011	<0.011 UJ	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	0.000073 J	<0.0022	<0.011	<0.0055	<0.011
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.00011	<0.00011	0.00013	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
ROST-3-PZ	ROST3PZ-ROX-051412	5/14/2012	40.00 - 50.00	38.82	NE	0.000023 J	<0.0001	<0.0001	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.00065 J	<0.0052	<0.01	<0.0001	<0.0001	<0.0052	<0.01	<0.0052	<0.01
	ROST3PZ-ROX-080712	8/7/2012		39.00	NE	<0.00011	<0.00011	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	0.0016 J	<0.011	<0.00011	<0.00011	<0.0022	<0.011	0.0033 J	<0.011
	ROST3PZ-ROX-110112	11/1/2012		40.82	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011 UJ
ROST-3-MW	ROST3MW-ROX-012313	1/23/2013	38.18 - 48.18	41.50	NE	0.00025	0.000059 J	0.000074 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.002	<0.01	<0.005 UJ	<0.01
	ROST3MW-ROX-040513	4/5/2013		42.24	NE	0.00016	<0.00011 UJ	<0.00011	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
	ROST3MW-ROX-071113	7/11/2013	38.18 - 48.18	39.50	NE	0.00029	<0.00011	0.000091 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.00061 J	<0.0054	<0.011 UJ	<0.00011	<0.00011	0.00025 J	<0.011 UJ	<0.0054	0.0016 J J
ROST-4-PZ(C)	ROST4PZ-C-051412	5/14/2012	34.95 - 44.95	39.04	NE	0.00027	0.000072 J	0.00011	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	0.00027 J	<0.01	<0.005	<0.01
	ROST4PZ-C-ROX-072512	7/25/2012		39.10	NE	0.00039 B	<0.00011	<0.00018 U	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	0.00042 J	<0.0053	<0.00051 U	<0.0053	<0.011	<0.00011	<0.00011	0.00036 J	<0.011	0.0012 J	0.003 J
	ROST4PZC-ROX-102912	10/29/2012		40.75	NE	0.000054 J	<0.0001	0.00005 J	<0.000052	<0.0001	<0.000052	<0.0001	<0.0001	<0.01	<0.01	<0.0052	0.0045	<0.0052	<0.01	<0.0001	<0.0001	<0.0021	<0.01	<0.0052	<0.01
	ROST4PZ(C)-ROX-011113	1/11/2013		41.42	NE	<0.00011	<0.00011	<0.00011	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	<0.011
	ROST4PZC-ROX-041013	4/10/2013		42.27	NE	0.000066 J	0.000018 J	0.000033 J	<0.000055	<0.00011	<0.000055	<0.00011	<0.00011	<0.011	<0.011	<0.0055	<0.0022	<0.0055	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0055	<0.011
	ROST4PZC-ROX-071113	7/11/2013	34.95 - 44.95	40.18	NE	0.00019	0.000073 J	0.00012	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011 UJ	<0.011	<0.0054	0.0032	<0.0054	<0.011	<0.00011	<0.00011	<0.0022	<0.011	<0.0054	<0.011
T-12	T12-ROX-102711	10/27/2011	46.72 - 72.72	38.54	NE	0.00079	0.00012	0.00017	<0.000051	<0.0001	<0.000051	<0.0001	<0.0001	<0.01	<0.01	<0.0051	0.0025	<0.0051	<0.01	<0.0001	<0.0001	<0.0051	<0.01	<0.0051	0.0109
	T12-ROX-011912	1/19/2012		41.0	NE	0.00047	<0.00011	0.00014	<0.000056	0.000032 J	0.000035 J	0.000069 J	<0.00011		<0.011 UJ	<0.0056	<0.0017 U	<0.00062 U	<0.011	<0.00011	0.00005 J	0.00029 J	<0.011	<0.0056	0.0095 J
	T12-ROX-050912	5/9/2012		42.62	NE	0.00032	<0.0001	0.000081 J	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01	<0.01	<0.005	<0.002	<0.005	<0.01	<0.0001	<0.0001	<0.005	<0.01	<0.005	<0.01
	T12-ROX-080212	8/2/2012		41.92	NE	0.00044	0.000082 J	0.0001 J	<0.000054	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	<0.011	<0.0054	<0.0022	<0.0054	<0.011	<0.00011	<0.00011	0.0003 J	<0.011	<0.0054	0.0153
	T12-ROX-110512	11/5/2012		43.91	NE	0.00044	<0.0001	0.0001	<0.00005	<0.0001	<0.00005	<0.0001	<0.0001	<0.01 UJ	<0.01	<0.005	0.00054 J	<0.005	<0.01	<0.0001	<0.0001	0.00029 J	<0.01	<0.005	0.0028 J J
	T12-ROX-011813	1/18/2013		44.50	NE	0.0005	0.000093 J	<0.00013 U	<0.000053	<0.00011	<0.000053	<0.00011	<0.00011	<0.011	<0.011	<0.0053	<0.0021	<0.0053	<0.011	<0.00011	<0.00011	<0.0021	<0.011	<0.0053	0.0065 J
	T12-ROX-041513	4/15/2013		44.99	NE	0.00063	0.00009 J	<0.0001	<0.000051	<0.0001	<0.000051	<0.0001 UJ	<0.0001 UJ	<0.01	<0.01	<0.0051	<0.002	<0.0051	<0.01	<0.0001	<0.0001	0.00048 J	<0.01	<0.0051	<0.01
	T12-ROX-071613	7/16/2013	46.72 - 72.72	42.33	NE	0.00055	0.0001 J	0.00015	0.00013	<0.00011	<0.000054	<0.00011	<0.00011	<0.011	0.001 J	<0.0054 UJ	<0.0044 U	<0.0054	<0.011	<0.00011	<0.00011	0.00042 J	<0.011	<0.0054	0.0096 J

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
					Screening Values (mg/L)		0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-01	MW-1-111110	11/11/2010	43.41 - 58.41	36.91	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW-1-111110-Dup	11/11/2010		36.91	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW1-ROX-011711	1/17/2011		37.58	NE	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063		<0.0063	<0.013	<0.013	<0.013	<0.0063		<0.0063	<0.013	<0.0063	<0.0063	<0.0063
	MW1-ROX-042911	4/29/2011		38.37	NE	<0.0063	<0.00085 U	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063		<0.0063	<0.013	<0.013	<0.013	<0.0063	<0.0063 UJ	<0.0063	<0.013	<0.0063	<0.0063 UJ	<0.0063
	MW1-ROX-072711	7/27/2011		35.77	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW1-ROX-120511	12/5/2011		37.10	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW1-ROX-011612	1/16/2012	48.80 - 58.80	37.75	NE	<0.0051	<0.0051	<0.0051	0.00011	0.000059 J	<0.0051	<0.00012 U	<0.0051	<0.0002	0.000098 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.000098	<0.0051	0.00009 J
	MW1-ROX-050112	5/1/2012		39.09	NE	<0.0051	<0.00054 U	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051 UJ	<0.0051	<0.01	<0.000051	<0.0051 UJ	<0.0001
	MW1-ROX-073012	7/30/2012		39.39	NE	<0.0053	<0.00043 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000025 J	<0.0053	<0.00011
	MW1-ROX-102612	10/26/2012		41.22	NE	<0.0057	<0.0057	<0.0057	<0.00011	<0.00011	<0.0057	<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011
	MW1-ROX-121712	12/17/2012		41.22	NE																				
	MW1-ROX-011013	1/10/2013		41.89	NE	<0.0052 UJ	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000021 U	<0.0052	<0.0001
	MW1-ROX-040913	4/9/2013		42.55	NE	<0.0053 UJ	<0.0012 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW1-ROX-070813	7/8/2013	48.80 - 58.80	39.56	NE	<0.0051	<0.0051	<0.0051	0.000033 J	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000043 U	<0.0051	<0.0001
MW-02	MW-2-111010	11/11/2010	47.19 - 62.19	38.12	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		0.014	<0.01	0.007 J	<0.019	<0.01		<0.01	<0.01	<0.01	0.006 J	<0.01
	MW2-ROX-011711	1/17/2011		38.67	NE	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048		0.0065	0.0028 J	0.0035 J	<0.0095	<0.0048		<0.0048	<0.0095	<0.0048	<0.0048	<0.0048
	MW02-ROX-051011	5/10/2011		39.14	NE	<0.0052 UJ	<0.001 U	<0.0052	<0.0001 UJ	<0.0001 UJ	<0.0052	<0.0001 UJ	<0.0052	0.0049 J J	0.0118 J	0.0062 J	0.0119	<0.01	<0.0052 UJ	<0.0052	<0.0052	<0.01	<0.000052 UJ	0.0057	<0.0001
	MW2-ROX-072711	7/27/2011		37.04	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.0098	0.0167	<0.01	0.0193 J	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	0.0086	<0.0001
	MW2-ROX-072711-DUP	7/27/2011		37.04	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.0096	0.0169	<0.01	0.0144 J	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	0.0075	<0.0001
	MW2-ROX-112811	11/28/2011	49.87 - 59.87	38.03	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.0141	0.0299	<0.01	<0.01	<0.01	<0.005	<0.005 UJ	<0.005	<0.01	<0.00005	<0.005 UJ	<0.0001
	MW2-ROX-011612	1/16/2012		38.89	NE	<0.0053	0.00056 J	<0.0053	<0.00011	0.000052 J	<0.0053	<0.000054 U	<0.0053	0.0107	0.0229	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000066	<0.0053	<0.00011
	MW2-ROX-050112	5/1/2012		40.25	NE	<0.0052	<0.0005 U	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.0105	0.021	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001
	MW2-ROX-073012	7/30/2012		40.60	NE	<0.0053	<0.00047 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	0.0097	0.0229	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00004 J	<0.0053	0.000039 J
	MW2-ROX-102612	10/26/2012		42.35	NE	<0.0054	<0.0054	<0.0054	0.000061 J	0.00011	<0.0054	<0.00011	<0.0054	0.0091	0.0182	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00011	<0.0054	0.000046 J
	MW2-ROX-011113	1/11/2013		42.94	NE	<0.0056 UJ	<0.0056	<0.0056	0.00004 J	<0.00011	<0.0056	<0.00011	<0.0056	0.008	0.0162	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000044 J	<0.0056	0.000039 J
	MW2-ROX-040913	4/9/2013		43.70	NE	<0.0054 UJ	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	0.012	0.0256	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW2-ROX-071113	7/11/2013	49.87 - 59.87	40.82	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	0.0123 J	0.0249	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000051 U	<0.0055 UJ	<0.00011
MW-03	MW-3-111210	11/12/2010	30.98 - 45.98	24.05	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW3-ROX-011811	1/18/2011		24.92	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		<0.0053	<0.011	<0.011	<0.011	<0.0053		<0.0053	<0.011	<0.0053	<0.0053	<0.0053
	MW03-ROX-051011	5/10/2011		24.79	NE	<0.005 UJ	<0.0014 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	0.00019 J J	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005	<0.0001
	MW3-ROX-080311	8/3/2011		22.72	NE	<0.0048	<0.00061 U	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	0.00029	0.00017 J	<0.0095	<0.0095	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	<0.0048 UJ	<0.000095
	MW3-ROX-112911	11/29/2011	34.67 - 44.67	24.06	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001
	MW3-ROX-112911-DUP	11/29/2011		24.06	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051 UJ	<0.0051	<0.01	<0.000051	<0.0051 UJ	<0.0001
	MW3-ROX-011612	1/16/2012		24.93	NE	<0.0052	<0.0052	<0.0052	0.000098 J	<0.0001	<0.0052	<0.00015 U	<0.0052	<0.00021	0.00015 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000095	<0.0052	0.000078 J
	MW3-ROX-043012	4/30/2012		26.19	NE	<0.0052	<0.00047 U	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW3-ROX-072712	7/27/2012		26.60	NE	<0.0053	<0.00066 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000025 J J	<0.0053	<0.00011
	MW3-ROX-102512	10/25/2012		28.39	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051 UJ	<0.0001
	MW3-ROX-010913	1/9/2013		29.35	NE	<0.005	0.0025 J	<0.005	0.000047 J	0.000052 J	<0.005	<0.0001	<0.005	<0.0002	0.000081 J	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.000068	<0.005 UJ	0.000036 J
	MW3-ROX-040813	4/8/2013		29.74	NE	<0.0057	<0.0057	<0.0057	<0.00011	<0.00011	<0.0057	<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011
	MW3-ROX-071113	7/11/2013	34.67 - 44.67	26.32	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	0.00044 J	0.00038	<0.011	<0.011	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	<0.000039 U	<0.0054 UJ	<0.000072 U

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
			Screening Values (mg/L)				0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-04	MW-4-111210	11/12/2010	42.63 - 57.63	35.38	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009		<0.009	<0.009	<0.009	<0.019	<0.009		<0.009	<0.009	<0.009	<0.009	<0.009
	MW4-ROX-011811	1/18/2011		36.04	NE	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052		<0.0052	<0.01	<0.01	<0.01	<0.0052		<0.0052	<0.01	<0.0052	<0.0052	<0.0052
	MW04-ROX-051111	5/11/2011		36.19	NE	<0.005 UJ	<0.0012 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	0.00033 J	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005	<0.0001
	MW4-ROX-072611	7/26/2011		34.15	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.00044	0.00029	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW4-ROX-072611-DUP	7/26/2011		34.15	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.00031	0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW4-ROX-121511	12/15/2011		33.99	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.00043 U	<0.0052	0.00028	0.00026	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW4-ROX-011612	1/16/2012	46.06 - 56.06	36.00	NE	<0.0052	0.00077 J	<0.0052	0.000047 J	<0.0001	<0.0052	<0.00018 U	<0.0052	0.0006	0.00059	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000057	<0.0052	0.000065 J
	MW4-ROX-050312	5/3/2012		37.45	NE	<0.005	<0.00062 U	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.00032	0.00025	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW4-ROX-050312-DUP	5/3/2012		37.45	NE	<0.0051	<0.00061 U	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW4-ROX-072512	7/25/2012		37.63	NE	<0.0051	0.00075 J	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	0.00054	0.00045 B	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.0018 J	<0.0001
	MW4-ROX-072512-Dup	7/25/2012		37.63	NE	<0.0051	0.00057 J	<0.0051	<0.000047 U	<0.0001	<0.0051	<0.0001	<0.0051	0.00049	0.0004 B	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000031 U	0.0023 J	<0.0001
	MW4-ROX-102912	10/29/2012		39.45	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.00025	0.00016 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW4-ROX-011113	1/11/2013		40.20	NE	<0.0056 UJ	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	0.00014 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	0.0608	<0.00011
	MW4-ROX-011113-DUP	1/11/2013		40.20	NE	<0.006 UJ	<0.006	<0.006	<0.00012	<0.00012	<0.006	<0.00012	<0.006	<0.00024	0.000099 J	<0.012	<0.012	<0.012	<0.006	<0.006	<0.006	<0.012	<0.00006	0.0665	<0.00012
	MW4-ROX-030413	3/4/2013		40.20	NE																				
	MW4-ROX-040913	4/9/2013		40.90	NE	<0.0053 UJ	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00022	0.000082 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000054	0.11	<0.00011
	MW4-ROX-040913-DUP	4/9/2013		40.90	NE	<0.0053 UJ	<0.00062 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	0.000076 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.103	<0.00011
	MW4-ROX-071713	7/17/2013	46.06 - 56.06	37.61	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	0.000052 J	<0.0055	0.00037	0.00023	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.00003 U	0.0661	<0.00011
MW-05	MW-5-111210	11/12/2010	31.13 - 46.13	23.32	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW5-ROX-011811	1/18/2011		24.15	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		<0.0053	<0.011	<0.011	<0.011	<0.0053		<0.0053	<0.011	<0.0053	<0.0053	<0.0053
	MW05-ROX-051211	5/12/2011		23.98	NE	<0.0053	<0.0009 U	<0.0053	<0.00011 UJ	<0.00011 UJ	<0.0053	<0.00011 UJ	<0.0053	<0.0053 UJ	0.00004 J J	<0.011	<0.011	<0.011	<0.0053 UJ	<0.0053	<0.0053	<0.011	<0.000053 UJ	<0.0053 UJ	<0.00011
	MW5-ROX-072611	7/26/2011		22.00	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.00056	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW5-ROX-072611-DUP	7/26/2011		22.00	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.00075	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW5-ROX-112111	11/21/2011	33.97 - 43.97	23.46	NE	<0.0053	0.00052 J	<0.0053	0.00041	<0.00011	<0.0053	<0.00011	<0.0053	0.00051 J	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW5-ROX-011712	1/17/2012		24.76	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	0.0016	<0.00021	<0.011	<0.011	<0.011	<0.0053	0.00078 J	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW5-ROX-050312	5/3/2012		25.89	NE	<0.0051	<0.0005 U	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	0.00072 J	0.0117	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW5-ROX-072512	7/25/2012		26.18	NE	<0.0052	0.00057 J	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.003	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000025 U	0.0015 J	<0.0001
	MW5-ROX-102912	10/29/2012		28.16	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	0.0091	0.000084 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW5-ROX-011113	1/11/2013		28.75	NE	<0.0055 UJ	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	0.0043	0.000084 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.000048 J	<0.0055	<0.00011
	MW5-ROX-040913	4/9/2013		29.41	NE	<0.0054 UJ	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	0.004	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW5-ROX-070913	7/9/2013	33.97 - 43.97	26.04	NE	<0.005	<0.005	<0.005	<0.0001	<0.00099 U	<0.005	<0.0001	<0.005	0.0015	<0.0002 UJ	<0.01	<0.01	<0.01 UJ	<0.005	<0.005	<0.005	<0.01	<0.000074 U	<0.005	<0.0001

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
			Screening Values (mg/L)				0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
MW-06A	MW-6A-110910	11/9/2010	31.98 - 46.98	25.62	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-011911	1/19/2011		26.36	NE	<0.005	0.00081 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.01	<0.01	<0.01	<0.005		<0.005	<0.01	<0.005	<0.005	<0.005
	MW6A-ROX-051611	5/16/2011		26.10	NE	<0.005	<0.0016 U	<0.005	<0.0001 UJ	0.00025 J	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	<0.0002 UJ	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005	<0.0001
	MW6A-ROX-072611	7/26/2011		23.76	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6A-ROX-112111	11/21/2011	34.83 - 44.83	25.49	NE	<0.0052	0.00053 J	0.00093 J	<0.0001	<0.0001	<0.0052	0.0015 J	<0.0052	<0.00021 UJ	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW6A-ROX-112111-DUP	11/21/2011		25.49	NE	<0.0051	0.00069 J	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001 UJ	<0.0051	<0.0002 UJ	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW6A-ROX-011712	1/17/2012		26.74	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00015 U	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW6A-ROX-050212	5/2/2012		27.77	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6A-ROX-080112	8/1/2012		28.36	NE	<0.005	0.00049 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6A-ROX-102412	10/24/2012		30.06	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW6A-ROX-011413	1/14/2013		31.00	NE	<0.0051 UJ	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	0.000072 J	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051 UJ	<0.0051	<0.01	<0.000051	<0.0051 UJ	<0.0001
	MW6A-ROX-040313	4/3/2013		31.62	NE	<0.0053	0.0018 J	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	0.000084	<0.0053 UJ	0.000053 J
	MW6A-ROX-070913	7/9/2013	34.83 - 44.83	28.25	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
	MW6A-ROX-070913-DUP	7/9/2013		28.25	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
MW-06B	MW-6B-111610	11/16/2010	64.05 - 69.05	25.47	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.02	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW6B-ROX-011911	1/19/2011		26.21	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.01	<0.01	<0.01	<0.005		<0.005	<0.01	<0.005	<0.005	<0.005
	MW6B-ROX-011911-DUP	1/19/2011		26.21	NE	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051		<0.0051	<0.01	<0.01	<0.01	<0.0051		<0.0051	<0.01	<0.0051	<0.0051	<0.0051
	MW6B-ROX-051611	5/16/2011		25.95	NE	<0.0048	<0.0012 U	<0.0048	<0.000095 UJ	<0.000095 UJ	<0.0048	<0.000095 UJ	<0.0048	<0.0048 UJ	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0048 UJ	<0.0048	<0.0048	<0.0095	<0.000048 UJ	<0.0048	<0.000095
	MW6B-ROX-051611-DUP	5/16/2011		25.95	NE	<0.005	<0.0014 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	<0.0002 UJ	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005	<0.0001
	MW6B-ROX-072311	7/23/2011		23.60	NE	<0.0053 UJ	<0.00047 U	<0.0053	<0.00021 U	<0.00011	<0.0053	<0.000057 U	<0.0053	<0.00021	<0.000022 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000044 U	<0.0053 UJ	<0.00023 U
	MW6B-ROX-110311	11/3/2011		24.67	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6B-ROX-011712	1/17/2012		26.77	NE	<0.0055	0.00055 J	<0.0055	<0.00011	<0.00011	<0.0055	<0.00028 U	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
	MW6B-ROX-050212	5/2/2012		27.82	NE	<0.005	0.00039 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6B-ROX-080112	8/1/2012		28.39	NE	<0.0051	0.0007 J	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW6B-ROX-102412	10/24/2012		30.11	NE	<0.0051	0.00079 J	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW6B-ROX-011713	1/17/2013		31.11	NE	<0.005	0.0026 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6B-ROX-040313	4/3/2013		31.68	NE	<0.0054	0.0012 J	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	0.0002 J	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	<0.000054	<0.0054 UJ	<0.00011
	MW6B-ROX-070913	7/9/2013	64.05 - 69.05	28.25	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011
MW-06C	MW-6C-111610	11/16/2010	84.95 - 89.95	25.25	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.02	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW6C-ROX-012111	1/21/2011		25.97	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		<0.0053	<0.011	<0.011	<0.011	<0.0053		<0.0053	<0.011	<0.0053	<0.0053	<0.0053
	MW6C-ROX-051611	5/16/2011		25.76	NE	<0.005	<0.0013 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	<0.0002 UJ	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005	<0.0001
	MW6C-ROX-072411	7/24/2011		23.43	NE	<0.0053 UJ	<0.0004 U	<0.0053	0.000024 JB	<0.00011	<0.0053	0.000025 J	<0.0053	<0.00021	0.000017 JB	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00002 JB	<0.0053 UJ	0.000023 JB
	MW6C-ROX-110311	11/3/2011		24.47	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00011 U	<0.005	<0.0001
	MW6C-ROX-011712	1/17/2012		26.50	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW6C-ROX-050212	5/2/2012		27.62	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6C-ROX-080112	8/1/2012		28.15	NE	<0.005	0.001 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6C-ROX-102412	10/24/2012		27.85	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW6C-ROX-011713	1/17/2013		30.88	NE	<0.005	0.0022 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6C-ROX-040313	4/3/2013		31.41	NE	<0.0052	0.00077 J	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	0.00016 J	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	<0.0001
	MW6C-ROX-070913	7/9/2013	84.95 - 89.95	28.03	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
				Screening Values (mg/L)			0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-06D	MW-6D-111610	11/16/2010	104.72 - 109.72	25.13	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.02	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-012111	1/21/2011		25.87	NE	<0.0053	0.00071 J	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		<0.0053	<0.011	<0.011	<0.011	<0.0053		<0.0053	<0.011	<0.0053	<0.0053	<0.0053
	MW6D-ROX-051611	5/16/2011		25.60	NE	<0.0055	<0.0015 U	<0.0055	<0.00011 UJ	<0.00011 UJ	<0.0055	<0.00011 UJ	<0.0055	<0.0055 UJ	<0.00022 UJ	<0.011	<0.011	<0.011	<0.0055 UJ	<0.0055	<0.0055	<0.011	<0.000055 UJ	<0.0055	<0.00011
	MW6D-ROX-072311	7/23/2011		23.29	NE	<0.0053 UJ	<0.00046 U	<0.0053	<0.000067 U	<0.00011	<0.0053	<0.000033 U	<0.0053	<0.00021	<0.000018 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.00004 U	<0.0053 UJ	<0.000063 U
	MW6D-ROX-110311	11/3/2011		24.31	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW6D-ROX-011712	1/17/2012		26.33	NE	<0.0055	0.00047 J	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.000085 U	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
	MW6D-ROX-050212	5/2/2012		27.45	NE	<0.005	0.00047 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.0005 U	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.000052	<0.005	<0.0001
	MW6D-ROX-080212	8/2/2012		30.56	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW6D-ROX-102412	10/24/2012		29.71	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW6D-ROX-011713	1/17/2013		30.75	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW6D-ROX-040313	4/3/2013		31.27	NE	<0.0053	0.00069 J	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011
	MW6D-ROX-070913	7/9/2013	104.72 - 109.72	27.91	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
MW-07	MW-7-111710	11/17/2010	42.92 - 52.92	36.93	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	0.034	<0.01
	MW-7-111710-Dup	11/17/2010		36.93	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.02	<0.01		<0.01	<0.01	<0.01	0.032	<0.01
	MW7-ROX-012511	1/25/2011		37.52	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		0.0023 J	<0.011	0.00099 J	<0.011	<0.0053		<0.0053	<0.011	<0.0053	0.0737	<0.0053
	MW07-ROX-051311	5/13/2011		37.50	NE	<0.0054	<0.0017 U	<0.0054	<0.00011 UJ	0.0001 J J	<0.0054	<0.00011 UJ	<0.0054	0.0026 J J	0.0049 J	<0.011	0.00082 J	<0.011	<0.0054 UJ	<0.0054	<0.0054	<0.011	0.00017 J	0.0774	0.000044 J
	MW07-ROX-051311D	5/13/2011		37.50	NE	<0.0055	<0.0018 U	<0.0055	<0.00011 UJ	0.000097 J J	<0.0055	<0.00011 UJ	<0.0055	0.0026 J J	0.0047 J	<0.011	0.00078 J	<0.011	<0.0055 UJ	<0.0055	<0.0055	<0.011	0.00017 J	0.0793	0.000051 J
	MW7-ROX-072411	7/24/2011		35.65	NE	<0.0054 UJ	<0.00044 U	<0.0054	0.00003 J	0.000066 J	<0.0054	<0.00011	<0.0054	0.0024	0.003	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.000082 B	<0.0513 UJ	0.00003 J
	MW-7-ROX-110211	11/2/2011		35.95	NE	<0.005	<0.005	<0.005	<0.0001	<0.00028 U	<0.005	<0.0001	<0.005	<0.0043 U	<0.0059 U	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00033 U	0.0702	<0.0001
	MW7-ROX-011812	1/18/2012		38.10	NE	<0.005	0.00045 J	<0.005	<0.0001	0.00018	<0.005	<0.0001	<0.005	0.0055	0.0069	<0.01	<0.01	<0.01 UJ	<0.005	<0.005	<0.005	<0.01	0.00029	0.15	<0.000042 U
	MW7-ROX-011812-DUP	1/18/2012		38.10	NE	<0.0056	<0.0056	<0.0056	<0.00011	0.0002	<0.0056	<0.00011	<0.0056	0.0057	0.0071	<0.011	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	0.00028	0.165	<0.000043 U
	MW7-ROX-050412	5/4/2012		39.19	NE	<0.005	<0.00095 U	<0.005	0.000039 J	0.00019	<0.005	<0.0001	<0.005	0.0075	0.0087	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00028	0.0944	<0.0001
	MW7-ROX-080712	8/7/2012		39.50	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.00016	<0.0051	<0.0001	<0.0051	0.0055	0.0065	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00019	0.0576	<0.0001
	MW7-ROX-103012	10/30/2012		41.23	NE	<0.0058	<0.0058	<0.0058	<0.00012	0.00023	<0.0058	<0.00012	<0.0058	0.0061 J	0.0077	<0.012	<0.012	<0.012	<0.0058	<0.0058 UJ	<0.0058	<0.012	0.00036	0.0615 J	<0.00005 U
	MW7-ROX-103012-DUP	10/30/2012		41.23	NE	<0.0056	<0.0056	<0.0056	<0.00011	0.00026	<0.0056	<0.00011	<0.0056	0.008 J	0.0098	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	0.00037	0.0812 J	<0.00005 U
	MW7-ROX-011513	1/15/2013		42.21	NE	<0.0053 UJ	<0.0053	<0.0053	0.00004 J	0.00061	<0.0053	<0.00011	<0.0053	0.0187	0.0224	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	0.00086	0.0865 J	0.000089 J
	MW7-ROX-011513-DUP	1/15/2013		42.21	NE	<0.0052 UJ	<0.0052	<0.0052	<0.0001	0.00057	<0.0052	<0.0001	<0.0052	0.0173	0.0207	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	0.00078	0.0735 J	0.000078 J
	MW7-ROX-041013	4/10/2013		42.70	NE	<0.0054	<0.0054	<0.0054	0.000039 J	0.00081	<0.0054	<0.00011	<0.0054	0.0271	0.0351	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0014	0.147	0.00015
	MW7-ROX-041013-DUP	4/10/2013		42.70	NE	<0.0053	<0.0053	<0.0053	0.000068 J	0.00087	<0.0053	<0.00011	<0.0053	0.0274	0.0357	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0015	0.148	0.00016
	MW7-ROX-071713	7/17/2013	42.92 - 52.92	39.60	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00019	<0.0054	0.000078 J	<0.0054	0.0043	0.006	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00024	0.118	0.000039 J

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
					Screening Values (mg/L)		0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-08	MW-8-111710	11/17/2010	33.60 - 43.60	27.84	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		0.005 J	<0.01	0.023	<0.019	<0.01		<0.01	<0.01	<0.01	0.053	<0.01
	MW8-ROX-012511	1/25/2011		28.59	NE	<0.005	<0.005	0.0004 J	<0.005	<0.005	<0.005	<0.005	<0.005		0.0069	0.0195	0.0502	<0.01	<0.005		<0.005	<0.01	<0.005	0.119 J	<0.005
	MW8-ROX-012511-DUP	1/25/2011		28.59	NE	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057		0.0075	0.0228	0.0587	<0.011	<0.0057		<0.0057	<0.011	<0.0057	0.171 J	<0.0057
	MW08-ROX-051311	5/13/2011		28.35	NE	<0.0055	<0.0014 U	<0.0055	0.00003 J J	0.00023 J	<0.0055	<0.00011 UJ	<0.0055	0.0053 J J	0.0075 J	0.0108 J	0.0243	<0.011	0.0041 J J	<0.0055	<0.0055	<0.011	0.000086 J	0.209	0.000028 J
	MW08-ROX-051311D	5/13/2011		28.35	NE	<0.0056	<0.0021 U	<0.0056	<0.00011 UJ	0.00021 J	<0.0056	<0.00011 UJ	<0.0056	0.0055 J J	0.0089 J	0.0105 J	0.0249	<0.011	<0.0056 UJ	<0.0056	<0.0056	<0.011	0.00012 J	0.208	<0.00011
	MW8-ROX-072411	7/24/2011		26.02	NE	<0.0054 UJ	<0.0054	0.00077 J	0.000031 JB	0.00034	<0.0054	0.000032 J	<0.0054	0.0055	0.0068	0.0205	0.0486	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00014 B	0.0972 J	0.000031 JB
	MW8-ROX-072411-DUP	7/24/2011		26.02	NE	<0.0055 UJ	<0.00038 U	0.00054 J	0.000022 JB	0.0003	<0.0055	0.000042 J	<0.0055	0.0052	0.0064	0.0177	0.0423	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00011 B	0.0906 J	0.000023 JB
	MW-8-ROX-110211	11/2/2011		27.02	NE	<0.0048	<0.0048	<0.0048	<0.000095	<0.00032 U	<0.0048	<0.000095	<0.0048	<0.0094 U	<0.0119 U	0.0152	0.0242	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	0.134	<0.000095
	MW8-ROX-011812	1/18/2012		29.15	NE	<0.0053	<0.0053	<0.0053	<0.00053	0.00074	<0.0053	<0.00053	<0.0053	0.0165	0.0204	0.0044 J	0.0121	<0.011 UJ	<0.0053	<0.0053	<0.0053	<0.011	0.00041	0.375	<0.00053
	MW8-ROX-050412	5/4/2012		30.21	NE	<0.0053	<0.00063 U	<0.0053	<0.00011	0.00024	<0.0053	<0.00011	<0.0053	0.0085	0.0099	0.0302	0.0657	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00014	0.258 J	<0.00011
	MW8-ROX-050412-DUP	5/4/2012		30.21	NE	<0.005	<0.005	<0.005	<0.0001	0.00031	<0.005	<0.0001	<0.005	0.0086	0.0102	0.0275	0.0569	<0.01	<0.005	<0.005	<0.005	<0.01	0.00014	0.12 J	<0.0001
	MW8-ROX-080712	8/7/2012		30.97	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00027	<0.0054	<0.00011	<0.0054	0.0091	0.0109	0.0075 J	0.0231	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00015	0.136	<0.00011
	MW8-ROX-080712-DUP	8/7/2012		30.97	NE	<0.0056	<0.0056	<0.0056	<0.00011	0.00026	<0.0056	<0.00011	<0.0056	0.0092	0.0111	0.0081 J	0.024	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00014	0.134	<0.00011
	MW8-ROX-103012	10/30/2012		32.32	NE	<0.0053	0.00082 J	0.00063 J	0.00059 B	0.00053	<0.0053	0.00059 B	<0.0053	0.0097	0.0112	0.0058 J	0.0158	<0.011	<0.0053	<0.0053 UJ	0.00052 J	0.003 J	0.00057	0.165 J	0.00054 B
	MW8-ROX-011513	1/15/2013		33.30	NE	<0.0056 UJ	<0.0056	<0.0056	<0.00011	0.00041	<0.0056	<0.00011	<0.0056	0.011	0.0129	0.0332	0.102	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	0.00016	0.0997 J	<0.00011
	MW8-ROX-041013	4/10/2013		33.77	NE	<0.0053	0.0013 J	<0.0053	0.000056 J	0.00032	<0.0053	<0.00011	<0.0053	0.0091	0.0113	0.0388	0.084	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00019	0.253 J	0.000042 J
	MW8-ROX-071713	7/17/2013	33.60 - 43.60	30.43	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00033	<0.0052	<0.0001	<0.0052	0.0097 J	0.0113	0.0046 J	0.0106	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00015	0.328	0.000062 J
	MW8-ROX-071713-DUP	7/17/2013		30.43	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00036	<0.0054	<0.00011	<0.0054	0.0087 J	0.0098	0.0037 J	0.0091 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00016	0.303	<0.00011
MW-09	MW-9-111510	11/15/2010	46.45 - 56.45	39.00	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-012111	1/21/2011		39.62	NE	<0.0053	0.00064 J	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		<0.0053	<0.011	<0.011	<0.011	<0.0053		<0.0053	<0.011	<0.0053	<0.0053	<0.0053
	MW09-ROX-050611	5/6/2011		40.12	NE	<0.0049	<0.00046 U	<0.0049	0.00002 J J	<0.000097 UJ	<0.0049	<0.000097 UJ	<0.0049	<0.0049 UJ	<0.00019 UJ	<0.0097	<0.0097	<0.0097	<0.0049 UJ	<0.0049	<0.0049	<0.0097	<0.000049 UJ	<0.0049	<0.000097
	MW9-ROX-072311	7/23/2011		38.06	NE	<0.0054 UJ	<0.0054	<0.0054	<0.000044 U	<0.00011	<0.0054	<0.000031 U	<0.0054	<0.00022	<0.00022	<0.01 UJ	<0.01 UJ	<0.011	<0.0054	<0.0054	<0.0054	<0.01 UJ	<0.00003 U	<0.005 UJ	<0.000046 U
	MW9-ROX-110111	11/1/2011		37.78	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW9-ROX-011612	1/16/2012		39.50	NE	<0.0057	0.00048 J	<0.0057	<0.00011	<0.00011	<0.0057	<0.000098 U	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011
	MW9-ROX-050312	5/3/2012		41.03	NE																				
	MW9-ROX-072712	7/27/2012		41.30	NE	<0.005	<0.00054 U	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW9-ROX-102912	10/29/2012		43.17	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW9-ROX-011113	1/11/2013		43.90	NE	<0.0054 UJ	<0.0054	<0.0054	0.000066 J	0.00011	<0.0054	<0.00011	<0.0054	<0.00022	0.00014 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00012	<0.0054	0.000057 J
	MW9-ROX-040913	4/9/2013		44.67	NE	<0.0052 UJ	<0.0018 UJ	<0.0052 UJ	<0.0001 UJ	<0.0001 UJ	<0.0052 UJ	<0.0001 UJ	<0.0052 UJ	<0.00021 UJ	<0.00021 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.0052 UJ	<0.0052 UJ	<0.0052 UJ	<0.01 UJ	<0.000052 UJ	<0.0052 UJ	<0.0001 UJ
	MW9-ROX-070813	7/8/2013	46.45 - 56.45	42.35	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	R	R	<0.011	<0.0056	<0.0056	<0.0056	R	<0.000028 U	R	<0.00011

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
			Screening Values (mg/L)				0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-10	MW-10-111010	11/10/2010	44.43 - 54.43	38.97	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW10-ROX-012411	1/24/2011		39.40	NE	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051		<0.0051	<0.01	<0.01	<0.01	<0.0051		<0.0051	<0.01	<0.0051	<0.0051	<0.0051
	MW10-ROX-012411-DUP	1/24/2011		39.40	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.01	<0.01	<0.01	<0.005		<0.005	<0.01	<0.005	<0.005	<0.005
	MW10-ROX-042811	4/28/2011		40.20	NE	<0.0048	<0.00061 U	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048		<0.0048	<0.0095	<0.0095	<0.0095	<0.0048	<0.0048 UJ	<0.0048	<0.0095	<0.0048	<0.0048 UJ	<0.0048
	MW10-ROX-072311	7/23/2011		38.01	NE	<0.005 UJ	<0.005	<0.005	<0.000047 U	<0.0001	<0.005	<0.000031 U	<0.005	<0.0002	<0.0002 U	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.000027 U	<0.005 UJ	<0.000044 U
	MW10-ROX-110111	11/1/2011		37.72	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW10-ROX-011612	1/16/2012		39.28	NE	<0.0053	0.00081 J	<0.0053	0.000052 J	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	0.000055 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000072	<0.0053	0.00005 J
	MW10-ROX-050112	5/1/2012		40.86	NE	<0.0052	<0.00041 U	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	0.000033 J	<0.0052 UJ	<0.0001
	MW10-ROX-072712	7/27/2012		41.21	NE	<0.005	<0.00043 U	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01 UJ	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW10-ROX-102612	10/26/2012		43.08	NE	<0.0056	<0.0056	<0.0056	0.000052 J	0.000086 J	<0.0056	<0.00011	<0.0056	<0.00022	0.00009 J	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000076	<0.0056	0.00004 J
	MW10-ROX-121712	12/17/2012		43.08	NE																				
	MW10-ROX-011013	1/10/2013		44.10	NE	<0.005 UJ	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.000021 U	<0.005	<0.0001
	MW10-ROX-012113	1/21/2013		44.10	NE	<0.01	<0.01	<0.01	<0.0001	<0.0001	<0.002	<0.0001	<0.01		<0.01	<0.01	<0.01	<0.002	<0.004	<0.02	<0.003	<0.004	<0.0001	<0.005	<0.0001
	MW10-ROX-040913	4/9/2013		44.60	NE	<0.0054 UJ	<0.0019 U	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW10-ROX-070813	7/8/2013	44.43 - 54.43	42.27	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000021 U	<0.0056	<0.00011
MW-11	MW-11-111710	11/17/2010	41.66 - 51.66	36.39	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW11-ROX-012411	1/24/2011		37.15	NE	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052		<0.0052	<0.01	<0.01	<0.01	<0.0052		<0.0052	<0.01	<0.0052	<0.0052	<0.0052
	MW11-ROX-050611	5/6/2011		37.60	NE	<0.0048	<0.001 U	<0.0048	0.000026 J J	<0.000095 UJ	<0.0048	0.000015 J J	<0.0048	<0.0048 UJ	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0048 UJ	<0.0048	<0.0048	<0.0095	0.000025 J J	<0.0048	0.000026 J
	MW11-ROX-072411	7/24/2011		34.3	NE	<0.0056 UJ	<0.0056	<0.0056	0.000025 JB	<0.00011	<0.0056	0.000026 J	<0.0056	<0.00022	0.000023 JB	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000021 JB	<0.0056 UJ	0.000024 JB
	MW-11-ROX-110211	11/2/2011		35.44	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW11-ROX-011712	1/17/2012		37.44	NE																				
	MW11-ROX-043012	4/30/2012		38.66	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW11-ROX-072712	7/27/2012		38.90	NE	<0.0058	<0.00057 U	<0.0058	<0.00012	<0.00012	<0.0058	<0.00012	<0.0058	<0.00023	<0.00023	<0.012	<0.012 UJ	<0.012	<0.0058	<0.0058	<0.0058	<0.012	<0.000058	<0.0058	<0.00012
	MW11-ROX-102512	10/25/2012		40.59	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054 UJ	<0.00011
	MW11-ROX-011013	1/10/2013		41.43	NE	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.0001 UJ	<0.0001 UJ	<0.005 UJ	<0.0001 UJ	<0.005 UJ	<0.0002 UJ	<0.0002 UJ	<0.01 UJ	<0.01 UJ	<0.01 UJ	<0.005 UJ	<0.005 UJ	<0.005 UJ	<0.01 UJ	<0.000015 UJ	<0.005 UJ	<0.0001 UJ
	MW11-ROX-040813	4/8/2013		42.02	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW11-ROX-070813	7/8/2013	41.66 - 51.66	39.24	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
MW-12	MW-12-111510	11/15/2010	41.92 - 51.92	36.63	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	MW12-ROX-012411	1/24/2011		37.42	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.01	<0.01	<0.01	<0.005		<0.005	<0.01	<0.005	<0.005	<0.005
	MW12-ROX-051211	5/12/2011		37.58	NE	<0.005	<0.0011 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	<0.0002 UJ	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005 UJ	<0.0001
	MW12-ROX-072411	7/24/2011		35.55	NE	<0.005 UJ	<0.00039 U	<0.005	0.000035 JB	<0.0001	<0.005	0.000047 J	<0.005	<0.0002	<0.0002	<0.01 UJ	<0.01 UJ	<0.01	<0.005	<0.005	<0.005	<0.01 UJ	0.000024 JB	<0.005 UJ	0.00004 JB
	MW-12-ROX-110211	11/2/2011		35.70	NE	<0.0048	<0.0048	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	<0.0048	<0.000095
	MW-12-ROX-110211-DUP	11/2/2011		35.70	NE	<0.0048	<0.0048	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	<0.0048	<0.000095
	MW12-ROX-011712	1/17/2012		37.70	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00023 U	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	MW12-ROX-011712-DUP	1/17/2012		37.70	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00007 U	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011
	MW12-ROX-043012	4/30/2012		38.98	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW12-ROX-072712	7/27/2012		39.22	NE	<0.0053	<0.00063 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011 UJ	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW12-ROX-102512	10/25/2012		40.95	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011
	MW12-ROX-011013	1/10/2013		41.83	NE	<0.0051 UJ	<0.0051	<0.0051	0.000045 J	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000032 U	<0.0051	<0.0001
	MW12-ROX-040813	4/8/2013		42.46	NE	<0.0052	<0.0052	<0.0052	0.000044 J	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW12-ROX-070913	7/9/2013	41.92 - 51.92	39.28	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011 UJ	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
					Screening Values (mg/L)		0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
MW-13	MW13-ROX-012511	1/25/2011	25.57 - 35.57	24.28	NE	<0.0052	<0.0052	<0.0052	<0.0052	0.00044 J	<0.0052	<0.0052	<0.0052		0.0021 J	<0.01	<0.01	<0.01	<0.0052		<0.0052	<0.01	0.0012 J	<0.0052	0.00032 J
	MW13-ROX-051311	5/13/2011		23.65	NE	<0.005	<0.0013 U	<0.005	0.000032 J J	0.00023 J	<0.005	<0.000099 UJ	<0.005	<0.005 UJ	0.00015 J J	<0.0099	<0.0099	<0.0099	<0.005 UJ	<0.005	<0.005	<0.0099	0.000095 J	<0.005 UJ	0.000089 J
	MW13-ROX-080311	8/3/2011		21.67	NE	<0.005	<0.00074 U	<0.005	<0.0001	<0.0001	<0.005	0.00004 J	<0.005	<0.0002	0.00011 J	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.000054 U	<0.005 UJ	0.000041 J
	MW13-ROX-110311	11/3/2011		22.85	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00033 U	<0.0056	<0.00011	<0.0056	<0.00081 U	<0.0003 U	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00018 U
	MW13-ROX-012012	1/20/2012		24.77	NE	<0.0053	<0.00058 U	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	0.00022	<0.00027 U	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	0.0015 J	0.000065 J
	MW13-ROX-050712	5/7/2012		25.79	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW13-ROX-080812	8/8/2012		26.67	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	0.00021	<0.00014 UJ	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW13-ROX-110812	11/8/2012		25.30	NE	<0.005	0.00054 J	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW13-ROX-012313	1/23/2013		29.26	NE	<0.0055 UJ	0.0027 J	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	0.00011 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
	MW13-ROX-041213	4/12/2013		29.44	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	0.00011 J	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	MW13-ROX-071213	7/12/2013	25.57 - 35.57	25.67	NE	<0.0054 UJ	<0.0054	<0.0054	<0.000042	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.000067 U	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	<0.000076	<0.0054 UJ	<0.00004
MW-14	MW14-ROX-110911	11/9/2011	33.42 - 43.42			<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW14-ROX-051012	5/10/2012		NM	NE	<0.0052	0.00043 J	<0.0052	<0.0001	0.00022	<0.0052	<0.0001	<0.0052	0.0101	0.0015	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW14-ROX-080312	8/3/2012		29.87	NE	<0.0053	<0.0053	<0.0053	<0.00011	0.00071	<0.0053	<0.00011	<0.0053	0.019	0.0038	<0.011	<0.011	<0.011	0.00032 J	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	MW14-ROX-103112	10/31/2012		32.02	NE	<0.005	0.00044 J	<0.005	<0.0001	0.00029	<0.005	<0.0001	<0.005	0.0192	0.004	<0.01	<0.01	<0.01	<0.005	<0.005 UJ	<0.005	<0.01	<0.000051	<0.005 UJ	<0.0001
	MW14-ROX-011813	1/18/2013		33.05	NE	<0.005 UJ	<0.005	<0.005	<0.0001	0.00064	<0.005	<0.0001	<0.005	0.0215	0.0084	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	MW14-ROX-041113	4/11/2013		33.31	NE	<0.0054	<0.0054	<0.0054	0.000068 J	0.00016	<0.0054	<0.00011	<0.0054	0.0124	0.0018	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0001	<0.0054	0.000053 J
	MW14-ROX-071213	7/12/2013	33.42 - 43.42	30.36	NE	<0.0053 UJ	0.00043 J	<0.0053	<0.00011	<0.000093 U	<0.0053	<0.00011	<0.0053	0.0127	0.0027	<0.011	<0.011	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000032 U	<0.0053 UJ	<0.000067 U
MW-16	MW16-ROX-012313	1/23/2013	37.06 - 47.06	43.05	NE	<0.0053 UJ	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	0.000085 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000025 J J	<0.0053	<0.00011
	MW16-ROX-040813	4/8/2013		43.39	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	0.000058 J	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	MW16-ROX-070813	7/8/2013	37.06 - 47.06	40.62	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000018 U	<0.0056	<0.00011
MW-22	MW22-ROX-012313	1/23/2013	37.88 - 47.88	41.80	NE	<0.0052 UJ	0.0024 J	<0.0052	<0.0001	0.00018	<0.0052	<0.0001	<0.0052	0.0276	0.05	0.018	0.0322	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00019	0.0111	<0.0001
	MW22-ROX-012313-DUP	1/23/2013		41.80	NE	<0.0053 UJ	0.0024 J	<0.0053	<0.00011	0.00018	<0.0053	<0.00011	<0.0053	0.028	0.0501	0.0187	0.0349	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0002	0.0122	<0.00011
	MW22-ROX-040513	4/5/2013		42.23	NE	<0.0053	0.00057 J	<0.0053	<0.00011	0.00018	<0.0053	<0.00011	<0.0053	0.0241	0.0413	0.0236	0.0403	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	0.00019	0.0123 J	<0.00011
	MW22-ROX-071113	7/11/2013	37.88 - 47.88	39.35	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00027	<0.0054	<0.00011	<0.0054	0.0232 J	0.0393	0.0159	0.029	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	0.0002 B	0.0094 J	<0.00011
	MW22-ROX-071113-DUP	7/11/2013		39.35	NE	<0.0056	0.00052 J	<0.0056	<0.00011	0.00017	<0.0056	<0.00011	<0.0056	0.0216 J	0.037	0.0147	0.0269	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	0.0002 B	0.0088 J	<0.00011
MW-24	MW24-ROX-040513	4/5/2013	38.89 - 48.89	43.39	NE	<0.0052	0.00049 J	<0.0052	0.000088 J	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	0.00015 J	<0.01	<0.01	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	<0.000052	<0.0052 UJ	0.000066 J
	MW24-ROX-071113	7/11/2013	38.89 - 48.89	40.35	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022 UJ	0.000062 J	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011 UJ	<0.000038 U	<0.0053 UJ	<0.00011
P-54	P-54-111710	11/17/2010	38.00 - 63.00	36.43	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	P54-ROX-012411	1/24/2011		37.24	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.01	<0.01	<0.01	<0.005		<0.005	<0.01	<0.005	<0.005	<0.005
	P54-ROX-051111	5/11/2011		37.37	NE	<0.005 UJ	<0.0011 U	<0.005	0.000031 J J	<0.00011 UJ	<0.005	<0.00011 UJ	<0.005	<0.005 UJ	<0.00022 UJ	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.000054 UJ	<0.005	0.000028 J
	P54-ROX-072411	7/24/2011		35.38	NE	<0.005 UJ	<0.00049 U	<0.005	0.000035 JB	<0.0001	<0.005	0.00004 J	<0.005	<0.0002	0.000026 JB	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.000025 JB	<0.005 UJ	0.000031 JB
	P54-ROX-110311	11/3/2011		35.49	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	P54-ROX-011712	1/17/2012		37.17	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.000081 U	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	P54-ROX-050412	5/4/2012		38.77	NE	<0.0051	<0.00085 U	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.0026 J	<0.0001
	P54-ROX-080212	8/2/2012		38.95	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	P54-ROX-103012	10/30/2012		40.70	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051 UJ	<0.0051	<0.01	<0.000051	<0.0051 UJ	<0.0001
	P54-ROX-011113	1/11/2013		41.56	NE	<0.0053 UJ	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000032 J	<0.0053	<0.00011
	P54-ROX-041013	4/10/2013		41.80	NE	<0.0057 UJ	<0.0057	<0.0057	<0.00011	<0.00011	<0.0057	<0.00011	<0.0057	<0.00023	<0.00023	<0.011	<0.011	<0.011	<0.0057	<0.0057	<0.0057	<0.011	<0.000057	<0.0057	<0.00011
	P54-ROX-050313	5/3/2013		41.80	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	<0.000056	<0.0056	<0.00011
	P54-ROX-071113	7/11/2013	38.00 - 63.00	39.07	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021 UJ	0.000083 J	<0.01	<0.01	<0.01 UJ	<0.0052	<0.0052	<0.0052	<0.01	<0.000049 U	<0.0052 UJ	<0.0001

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
					Screening Values (mg/L)		0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-55	P55-ROX-103111	10/31/2011	39.82 - 64.82	39.15	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.00065	0.00096	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00016	<0.005	<0.0001
	P55-ROX-011912	1/19/2012		41.09	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00038	<0.0052	<0.0001	<0.0052	0.0048	0.0076	<0.01	<0.01	<0.01 UJ	<0.0052	<0.0052	<0.0052	<0.01	0.00039	<0.0052	<0.0001
	P55-ROX-011912-D	1/19/2012		41.09	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00032	<0.0054	0.00011	<0.0054	0.0046	0.0076	<0.011	<0.011	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	0.00036	0.0029 J	<0.00011
	P55-ROX-050912	5/9/2012		42.44	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.00069	<0.0051	<0.0001	<0.0051	0.0118	0.0179	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00066	<0.0051	<0.0001
	P55-ROX-012113	1/21/2013	40.85 - 50.85	43.6	NE	<0.01	<0.01	<0.01	<0.0001	0.00133	<0.002	<0.0001	<0.01		0.042	<0.01	<0.01	<0.002	<0.004	<0.02	<0.003	<0.004	0.00211	0.004 J	<0.0001
	P55-ROX-012113	1/21/2013		43.6	NE	<0.0051	0.00069 J	<0.0051	<0.0001	0.00093	<0.0051	<0.0001	<0.0051	0.0176	0.0254	<0.01	0.0018 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.0017	0.0034 J	<0.0001
	P55-ROX-041513	4/15/2013		43.63	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.0013	<0.0052	<0.0001	<0.0052	0.0268	0.0389	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0021	<0.0052	<0.0001
	P55-ROX-071613	7/16/2013	40.85 - 50.85	40.06	NE	<0.0056	<0.0056	<0.0056	<0.00011	0.0015	<0.0056	<0.00011	<0.0056	0.0244	0.0353	<0.011 UJ	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.0019	0.0048 J J	<0.00011
P-56	P56-ROX-102711	10/27/2011	40.82 - 65.82	39.42	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00039	<0.0052	<0.0001	<0.0052	0.016	0.0224	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0011	<0.0052	<0.0001
	P56-ROX-011912	1/19/2012		41.81	NE	<0.0051	<0.00044 U	<0.0051	<0.0001	0.00046	<0.0051	<0.0001	<0.0051	0.0186	0.024	<0.01	<0.01	<0.01 UJ	<0.0051	<0.0051	<0.0051	<0.01	0.0012	<0.0051	0.000036 J
	P56-ROX-050812	5/8/2012		43.09	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00033	<0.0052	<0.0001	<0.0052	0.0186	0.0236	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0011	<0.0052	<0.0001
	P56-ROX-080612	8/6/2012		43.60	NE	<0.0051	<0.00075 U	<0.0051	<0.0001	0.0003	<0.0051	<0.0001	<0.0051	0.0143	0.0178	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.0013	<0.0051	<0.0001
	P56-ROX-103112	10/31/2012		44.80	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.00046	<0.0051	<0.0001	<0.0051	0.024	0.0307	<0.01	0.0011 J	<0.01	<0.0051	<0.0051 UJ	<0.0051	<0.01	0.0013	<0.0051 UJ	<0.0001
	P56-ROX-011713	1/17/2013		45.65	NE	<0.005	<0.005	<0.005	<0.0001	0.00032	<0.005	<0.0001	<0.005	0.0147	0.0131	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.0012	0.0014 J	<0.0001
	P56-ROX-041213	4/12/2013		46.12	NE	<0.0055	<0.0055	<0.0055	<0.00011	0.00032	<0.0055	<0.00011	<0.0055	0.0208	0.0239	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.0012	<0.0055	<0.00011
	P56-ROX-071513	7/15/2013	40.82 - 65.82	43.25	NE	<0.0055	<0.0055	<0.0055	<0.00011	0.00059	<0.0055	<0.00011	<0.0055	0.0315	0.0431	<0.011 UJ	0.0064 J	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.0015	<0.0055 UJ	<0.00011
P-57	P57-ROX-110811	11/8/2011	40.46 - 65.46	39.20	NE	<0.0054	<0.0054	<0.0054	<0.00054	0.00076	<0.0054	<0.00054	<0.0054	0.0288	0.0388	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0006	0.286	<0.00054
	P57-ROX-021312	2/13/2012		42.13	NE	<0.0051	<0.00046 U	<0.0051	<0.0001	0.00087	<0.0051	<0.0001	<0.0051		0.0403	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00051	0.297	<0.0001
	P57-ROX-050712	5/7/2012		42.92	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00045	<0.0052	<0.0001	<0.0052	0.0169	0.0212	<0.01	0.0023 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00035	0.141	<0.0001
	P57-ROX-080612	8/6/2012		43.53	NE	<0.005	<0.00087 U	<0.005	<0.0001	0.0006	<0.005	<0.0001	<0.005	0.0244	0.0326	<0.01	0.0013 J	<0.01	<0.005	<0.005	<0.005	<0.01	0.00053	0.0697 J	<0.0001
	P57-ROX-080612-DUP	8/6/2012		43.53	NE	<0.005	<0.00089 U	<0.005	<0.0001	0.00063	<0.005	<0.0001	<0.005	0.0242	0.0321	<0.01	0.0013 J	<0.01	<0.005	<0.005	<0.005	<0.01	0.00054	0.0921 J	<0.0001
	P57-ROX-110512	11/5/2012		44.98	NE	<0.005	<0.005	<0.005	<0.0001	0.00062	<0.005	0.00005 J	<0.005	0.0249	0.0305	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00048	0.0547 J	<0.0001
	P57-ROX-012913	1/29/2013		45.92	NE	<0.0059	<0.0059	<0.0059	<0.00012	0.00094	<0.0059	<0.00012	<0.0059	0.0369	0.0447	<0.012	<0.012	<0.012	<0.0059	<0.0059	<0.0059	<0.012	0.00074	<0.0059 UJ	<0.00012
	P57-ROX-041113	4/11/2013		46.29	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.00076	<0.0051	<0.0001	<0.0051	0.0348	0.0453	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00074	0.146	<0.0001
	P57-ROX-071613	7/16/2013	40.46 - 65.46	43.38	NE	<0.0056	<0.0056	<0.0056	0.000038 J	0.0008	<0.0056	<0.00011	<0.0056	0.0267	0.0365	<0.011 UJ	0.0086 J	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00073	0.164 J	<0.000052 U
P-58	P58-ROX-102811	10/28/2011	40.21 - 65.21	37.31	NE	<0.0049	<0.0049	<0.0049	<0.000097	0.0016	<0.0049	<0.000097	<0.0049	0.049	0.0717	<0.0097	0.0347	<0.0097	<0.0049	<0.0049	<0.0049	<0.0097	0.00085	0.137	0.00012
	P58-ROX-011912	1/19/2012		39.73	NE	<0.0053	<0.00057 U	<0.0053	0.000047 J	0.0017	<0.0053	<0.00011	<0.0053	0.0639	0.0904	<0.011	0.0171	<0.011 UJ	<0.0053	<0.0053	<0.0053	<0.011	0.00084	0.259	0.00012
	P58-ROX-011912-D	1/19/2012		39.73	NE	<0.0053	<0.00059 U	<0.0053	0.000052 J	0.0018	<0.0053	<0.00011	<0.0053	0.0588	0.0821	<0.011	0.0156	<0.011 UJ	<0.0053	<0.0053	<0.0053	<0.011	0.0008	0.225	0.00012
	P58-ROX-050712	5/7/2012		40.90	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.0009 J	<0.0051	<0.0001	<0.0051	0.0351 J	0.0435 J	<0.01	0.0181	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00056 J	0.161	0.0001
	P58-ROX-050712-DUP	5/7/2012		40.90	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00067 J	<0.0052	<0.0001	<0.0052	0.0267 J	0.0338 J	<0.01	0.0122	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00041 J	0.147	0.000076 J
	P58-ROX-080612	8/6/2012		41.63	NE	<0.005	<0.00053 U	<0.005	0.000068 J	0.0014	<0.005	<0.0001	<0.005	0.0524	0.0691	<0.01	0.0146	<0.01	<0.005	<0.005	<0.005	<0.01	0.001	0.15	<0.0001 UJ
	P58-ROX-080612-DUP	8/6/2012		41.63	NE	<0.005	<0.00063 U	<0.005	0.000066 J	0.0015	<0.005	<0.0001	<0.005	0.0596	0.079	<0.01	0.0195	<0.01	<0.005	<0.005	<0.005	<0.01	0.0011	0.19	0.00021 J
	P58-ROX-110612	11/6/2012		43.09	NE																				
	P58-ROX-121012	12/10/2012		43.09	NE	<0.0054 UJ	<0.0054	<0.0054	<0.00011	0.0014	<0.0054	<0.00011	<0.0054	0.0616	0.0807	<0.011	0.0124	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00085	0.178	0.00012
	P58-ROX-012213	1/22/2013		44.21	NE	<0.0054	<0.0054	<0.0054	0.00024	0.003	<0.0054	0.000072 J	<0.0054	0.068	0.0846	<0.011	0.0198	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0023	0.208	0.00077
	P58-ROX-041113	4/11/2013		44.40	NE	<0.0054	<0.0054	<0.0054	0.00019	0.0022	<0.0054	<0.00011	<0.0054	0.0692	0.0961	<0.011	0.014	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0021	0.0985	0.00055
	P58-ROX-071613	7/16/2013	40.21 - 65.21	41.49	NE	<0.0055	<0.0055	<0.0055	0.000071 J	0.0013	<0.0055	<0.00011	<0.0055	0.0544	0.0708	<0.011 UJ	0.0359	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00099	0.247	<0.0002 U

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						SVOCs																
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
					Screening Values (mg/L)		0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-59	P59-ROX-102711	10/27/2011	47.91 - 72.91	41.06	NE	<0.0053	<0.0053	<0.0053	0.00035	0.0012	<0.0053	<0.00011	<0.0053	0.0121	0.0184	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.002	0.0383	0.00057
	P59-ROX-011912	1/19/2012		42.88	NE	<0.0057	<0.0005 U	<0.0057	0.000073 J	0.0008	<0.0057	<0.00011	<0.0057	0.0175	0.0279	0.0045 J	0.0092 J	<0.011 UJ	<0.0057	<0.0057	0.00079 J	<0.011	0.00081	0.0906 J	0.00013
	P59-ROX-011912-DUP	1/19/2012		42.88	NE	<0.0051	<0.00041 U	<0.0051	0.000073 J	0.00063	<0.0051	<0.0001	<0.0051	0.0178	0.029	<0.01	0.0076 J	<0.01 UJ	<0.0051	<0.0051	0.00087 J	<0.01	0.00081	0.0646 J	0.00013
	P59-ROX-050912	5/9/2012		44.11	NE	<0.005	<0.005	<0.005	0.000062 J	0.00034	<0.005	<0.0001	<0.005	0.0117	0.018	<0.01	0.0062 J	<0.01	<0.005	<0.005	<0.005	<0.01	0.00053	0.0241	0.000092 J
	P59-ROX-080212	8/2/2012		44.07	NE	<0.0053	<0.0053	<0.0053	0.00015	0.00048	<0.0053	<0.00011	<0.0053	0.0136	0.0207	0.0018 J	0.0032 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.001	0.0419	0.00021
	P59-ROX-110212	11/2/2012		45.98	NE	<0.0053	<0.0053	<0.0053	0.000063 J	0.0005	<0.0053	<0.00011	<0.0053	0.0187	0.0282	0.0065 J	0.0137	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00075	0.0766 J	0.00009 J
	P59-ROX-110212-DUP	11/2/2012		45.98	NE	<0.0052	<0.0052	<0.0052	0.000066 J	0.00048	<0.0052	<0.0001	<0.0052	0.0179	0.0268	0.0056 J	0.0116	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00073	0.0656 J	0.000093 J
	P59-ROX-013013	1/30/2013		46.60	NE	<0.0052 UJ	0.0022 J	<0.0052	<0.000079 U	0.00069	<0.0052	<0.0001	<0.0052	0.0222	0.0305	0.154	0.107	<0.01 UJ	<0.0052	<0.0052 UJ	<0.0052	<0.01	0.001	0.141 J	<0.00011 U
	P59-ROX-041213	4/12/2013		46.95	NE	<0.0054	<0.0054	<0.0054	0.000077 J	0.00064	<0.0054	<0.00011	<0.0054	0.0247	0.0369	0.174	0.0842	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0012	0.119	0.000098 J
	P59-ROX-041213-DUP	4/12/2013		46.95	NE	<0.0053	<0.0053	<0.0053	0.000078 J	0.00065	<0.0053	<0.00011	<0.0053	0.0265	0.0383	0.154	0.0794	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0012	0.101	0.0001 J
	P59-ROX-071613	7/16/2013	47.91 - 72.91	44.13	NE	<0.0054	<0.0054	<0.0054	0.000061 J	0.00063	<0.0054	<0.00011	<0.0054	0.0189	0.0302	0.17	0.042	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00087	0.121 J	<0.000078 U
P-66	P66-ROX-110111	11/1/2011	34.72 - 59.72	28.92	NE	<0.005	<0.005	<0.005	0.00017	0.003	<0.005	<0.0001	<0.005	0.093	0.0295	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.0013	<0.005	0.00029
	P66-ROX-051012	5/10/2012		32.48	NE	<0.005	0.00054 J	<0.005	0.000056 J	0.0015	<0.005	<0.0001	<0.005	0.0647	0.025	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00057	<0.005	0.000082 J
	P66-ROX-080312	8/3/2012		30.51	NE	<0.0053	<0.0053	<0.0053	0.000082 J	0.0011	<0.0053	<0.00011	<0.0053	0.0541	0.028	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00057	<0.0053	0.00013
	P66-ROX-103112	10/31/2012		34.75	NE	<0.005	<0.005	<0.005	<0.000051 U	0.0017	<0.005	<0.0001	<0.005	0.0689	0.0268	<0.01	<0.01	<0.01	<0.005	<0.005 UJ	<0.005	<0.01	0.00054	<0.005 UJ	<0.00007 U
	P66-ROX-011813	1/18/2013		35.70	NE	<0.0053 UJ	<0.0053	<0.0053	0.000076 J	0.0019	<0.0053	<0.00011	<0.0053	0.0655	0.0315	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00082	0.0019 J	0.00011
	P66-ROX-041113	4/11/2013		36.03	NE	<0.0053	<0.0053	<0.0053	0.000072 J	0.0017	<0.0053	<0.00011	<0.0053	0.0681	0.0131	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00091	<0.0053	0.000087 J
	P66-ROX-071213	7/12/2013	34.72 - 59.72	33.20	NE	<0.0056 UJ	<0.0056	<0.0056	<0.00019 U	0.0018	<0.0056	0.00017	<0.0056	0.0688	0.0642	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	0.00088	0.0035 J J	<0.0002 U
P-74	P74-ROX-103111	10/31/2011	44.43 - 69.43	36.26	NE	<0.005	<0.005	<0.005	<0.0001	0.00044	<0.005	<0.0001	<0.005	0.0177	0.0265	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00025	0.0127	<0.0001
	P74-ROX-011912	1/19/2012		38.77	NE	<0.0048	<0.0048	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095 UJ	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	0.002 J	<0.000095
	P74-ROX-050712	5/7/2012		39.92	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.00016 J	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000047 J	0.0089	<0.0001
	P74-ROX-080612	8/6/2012		40.71	NE	<0.005	<0.00082 U	<0.005	<0.0001	0.00021	<0.005	<0.0001	<0.005	0.009	0.0103	0.0014 J	0.001 J	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00012 U	0.0158	<0.0001
	P74-ROX-110112	11/1/2012		41.72	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.0003	<0.0052	<0.0001	<0.0052	0.0123	0.0136	0.0054 J	0.002 J	<0.01	<0.0052	<0.0052 UJ	<0.0052	<0.01	0.00013	0.0307 J	<0.0001
	P74-ROX-011713	1/17/2013		42.65	NE	<0.0051	<0.0051	<0.0051	0.000038 J	0.00038	<0.0051	<0.0001	<0.0051	0.0156	0.0198	<0.01	0.001 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00023	0.0298	0.000048 J
	P74-ROX-041113	4/11/2013		42.83	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0046 U	<0.0001
	P74-ROX-071513	7/15/2013	44.43 - 69.43	40.11	NE	<0.0054	<0.0054	<0.0054	0.00014	0.00011	<0.0054	<0.00011	<0.0054	0.0019	0.00019 J	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.00008 U	0.008	0.000074 J
P-93A	P93A-102610	10/26/2010	48.17 - 63.17	40.75	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009		0.023	<0.009	<0.009	<0.019	<0.009		<0.009	<0.009	<0.009	0.31 D J	<0.009
	P93A-ROX_012611	1/26/2011		40.97	NE	<0.0049	<0.0049	<0.0049	<0.0049	0.00032 J	<0.0049	<0.0049	<0.0049		0.0254	<0.0098	0.064	<0.0098 UJ	<0.0049		<0.0049	<0.0098	0.0004 J	0.172	<0.0049
	P93A-ROX-050511	5/5/2011		41.88	NE	<0.005	<0.001 U	<0.005	0.000019 J J	0.00044 J	<0.005	<0.0001 UJ	<0.005	0.0172 J	0.0309 J	<0.01	0.0075 J	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	0.0004 J	0.21	0.000026 J
	P93A-ROX-081811	8/18/2011		39.40	NE	<0.005	<0.001 U	<0.005	<0.000033 U	0.00047	<0.005	<0.0001	<0.005	0.0224	0.0302	<0.01	0.0093 J	<0.01	<0.005	<0.005	<0.005	<0.01	0.00043	0.183	0.000037 J
	P93A-ROX-102611	10/26/2011		39.43	NE	<0.005	<0.005	<0.005	<0.0001	0.00033	<0.005	<0.0001	<0.005	0.0162	0.0258	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00032	0.193	<0.0001
	P93A-ROX-012012	1/20/2012		41.66	NE	<0.0048	<0.00038 U	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	0.0133	0.0188	<0.0095	0.0029 J	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.00022 U	0.234	<0.000095
	P93A-ROX-050812	5/8/2012		42.75	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.00021	<0.0051	<0.0001	<0.0051	0.0121	0.0151	<0.01	0.0014 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.00021	<0.0051	<0.0001
	P93A-ROX-080912	8/9/2012		43.66	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00021	<0.0054	<0.00011	<0.0054	0.0097	0.013	<0.011	0.00096 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00025	0.208	<0.00011
	P93A-ROX-110712	11/7/2012		45.00	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00029	<0.0052	<0.0001	<0.0052	0.015	0.0194	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00028 B	0.19	<0.0001
	P93A-ROX-110712-DUP	11/7/2012		45.00	NE	<0.0052	<0.0052	<0.0052	<0.0001	0.00037	<0.0052	<0.0001	<0.0052	0.016	0.0206	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00034 B	0.217	<0.0001
	P93A-ROX-012313	1/23/2013		45.89	NE	<0.0052 UJ	<0.0052	<0.0052	<0.0001	0.00021	<0.0052	<0.0001	<0.0052	0.0096	0.0093	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00024	0.168	<0.0001
	P93A-ROX-012313-DUP	1/23/2013		45.89	NE	<0.0052 UJ	<0.0052	<0.0052	<0.0001	0.00019	<0.0052	<0.0001	<0.0052	0.0094	0.009	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.00023	0.165	<0.0001
	P93A-ROX-041113	4/11/2013		46.29	NE	<0.005	<0.005	<0.005	0.000046 J	0.0003	<0.005	<0.0001	<0.005	0.0146 J	0.0098	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00035	0.2	0.00004 J
	P93A-ROX-041113-DUP	4/11/2013		46.29	NE	<0.005	<0.005	<0.005	<0.0001	0.00025	<0.005	<0.0001	<0.005	0.0146 J	0.0096	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00024	0.179	<0.0001
	P93A-ROX-071813	7/18/2013	48.17 - 63.17	43.25	NE	<0.0056	<0.0056	<0.0056	<0.00011	0.00023	<0.0056	<0.00011	<0.0056	0.0089	0.0062	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.00021	0.107	<0.00011

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TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																	
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
					Screening Values (mg/L)		0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																		
P-93B	P93B-102610	10/26/2010	74.60 - 76.60	40.73	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009		<0.009	<0.009	<0.009	<0.019	<0.009		<0.009	<0.009	<0.009	0.094	<0.009
	P93B-ROX_012611	1/26/2011		41.03	NE	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053		<0.0053	<0.011	<0.011	0.00069 J J	<0.0053		<0.0053	<0.011	<0.0053	0.106	<0.0053
	P93B-ROX-050511	5/5/2011		41.96	NE	<0.005	<0.001 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	<0.0002 UJ	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	0.000017 J J	0.0933	<0.0001
	P93B-ROX-081811	8/18/2011		39.44	NE	<0.0052	<0.00077 U	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	0.116	<0.0001
	P93B-ROX-102611	10/26/2011		39.48	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	0.122	<0.0001
	P93B-ROX-012012	1/20/2012		41.72	NE	<0.0048	<0.0048	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	0.107	<0.000095
	P93B-ROX-050812	5/8/2012		42.79	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	P93B-ROX-080912	8/9/2012		43.69	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	0.178	<0.00011
	P93B-ROX-110712	11/7/2012		45.05	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	0.00026	0.00045 B	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.13	<0.0001
	P93B-ROX-110712-DUP	11/7/2012		45.05	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	0.0003	0.0005 B	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	0.114	<0.0001
	P93B-ROX-012313	1/23/2013		45.89	NE	0.00024 J J	0.003 J	<0.0053	0.00013	0.00012	0.00058 J	0.00012	<0.0053	<0.00021	0.00012 J	<0.011	0.0014 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00016	0.176	0.00013
	P93B-ROX-041113	4/11/2013		46.32	NE	<0.0051	0.0013 J	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	0.122	<0.0001
	P93B-ROX-071813	7/18/2013	74.60 - 76.60	43.30	NE	<0.0056	0.0005 J	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000034 J	0.151	<0.00011
P-93C	P93C-102610	10/26/2010	94.26 - 96.26	40.69	NE	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009		<0.009	<0.009	<0.009	<0.019	<0.009		<0.009	<0.009	<0.009	<0.009	<0.009
	P93C-ROX_012611	1/26/2011		40.91	NE	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051		<0.0051	<0.01	<0.01	<0.01 UJ	<0.0051		<0.0051	<0.01	<0.0051	0.0166	<0.0051
	P93C-ROX-050611	5/6/2011		41.84	NE	<0.005	<0.0011 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	0.00009 J J	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	0.0144	<0.0001
	P93C-ROX-081811	8/18/2011		39.32	NE	<0.005	<0.00064 U	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.000033 U	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	0.0046 J	<0.0001
	P93C-ROX-102611	10/26/2011		39.36	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	P93C-ROX-012012	1/20/2012		41.57	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	P93C-ROX-050812	5/8/2012		42.68	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	P93C-ROX-080912	8/9/2012		43.57	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	P93C-ROX-110812	11/8/2012		45.12	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	P93C-ROX-012313	1/23/2013		45.78	NE	<0.0055 UJ	0.0025 J	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
	P93C-ROX-041213	4/12/2013		46.21	NE	<0.005 UJ	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005 UJ	<0.005	<0.01	<0.00005	<0.005	<0.0001
	P93C-ROX-071813	7/18/2013	94.26 - 96.26	43.31	NE	<0.0056	<0.0056	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0056	<0.0056	<0.0056	<0.011	0.000026 J	0.0352	<0.00011
	P93C-ROX-080813	8/8/2013		43.31	NE																				
P-93D	P93D-102610	10/26/2010	125.44 - 127.44	40.59	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.019	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
	P93D-ROX-050511	5/5/2011	125.75 - 127.75	41.96	NE	<0.005	<0.0011 U	<0.005	<0.0001 UJ	<0.0001 UJ	<0.005	<0.0001 UJ	<0.005	<0.005 UJ	0.000045 J J	<0.01	<0.01	<0.01	<0.005 UJ	<0.005	<0.005	<0.01	<0.00005 UJ	<0.005	<0.0001
	P93D-ROX-081811	8/18/2011		39.46	NE	<0.005	<0.0011 U	<0.005	<0.000023 U	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.000042 U	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	0.000021 J
	P93D-ROX-102711	10/27/2011		39.59	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	P93D-ROX-012012	1/20/2012		41.77	NE	<0.0054	<0.0054	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	<0.00022	<0.00006 U	<0.011	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	P93D-ROX-050812	5/8/2012		42.96	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	<0.0001	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	P93D-ROX-080812	8/8/2012		43.71	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.0004	<0.00042 U	0.00076 J	0.0011 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000054	<0.0052	<0.0001
	P93D-ROX-110812	11/8/2012		NM	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	<0.00011	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	<0.000055	<0.0055	<0.00011
	P93D-ROX-012213	1/22/2013		44.21	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	0.00027	0.00036	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000042 J	<0.0053	<0.00011
	P93D-ROX-041113	4/11/2013		46.37	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0087 U	<0.0001
	P93D-ROX-071213	7/12/2013	125.75 - 127.75	43.51	NE	<0.0056 UJ	0.00045 J	<0.0056	<0.00011	<0.00011	<0.0056	<0.00011	<0.0056	<0.00022	<0.000059 U	<0.011	<0.011	<0.011	<0.0056	<0.0056 UJ	<0.0056	<0.011	<0.000056	<0.0056 UJ	<0.00011

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
CUMULATIVE SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL RESULTS AND EXCEEDANCES

						SVOCs																
						Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Indeno(1,2,3-cd)pyrene	Isophorone (3,5,5-trimethyl-2-cyclohexene-1-one)	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	3-Nitroaniline	Nitrobenzene	N-Nitrosodimethylamine	N-Nitrosodiphenylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene
			Screening Values (mg/L)				0.7 [2]	0.14 [2]	0.28 [2]	0.28 [2]	0.00006 [2]	0.00043 [2]	1.4 [2]	0.49 [3]	0.028 [4]	0.35 [2]	0.35 [3]		0.0035 [2]	0.0006 [3]	0.0032 [2]	0.001 [2]	0.21 [3]	0.1 [1]	0.21 [2]
Location	Sample ID	Sample Date	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Product Thickness (ft)	Analytical Results (mg/L)																			
P-114	P114-ROX-102811	10/28/2011	32.67 - 52.67	24.73	NE	<0.0048	<0.0048	<0.0048	<0.000095	<0.000095	<0.0048	<0.000095	<0.0048	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0048	<0.0048	<0.0048	<0.0095	<0.000048	<0.0048	<0.000095
	P114-ROX-012012	1/20/2012		27.17	NE	<0.0051	<0.0051	<0.0051	<0.0001	<0.0001	<0.0051	0.000066 J	<0.0051	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	<0.000051	<0.0051	<0.0001
	P114-ROX-050912	5/9/2012		28.09	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.00005	<0.0052	<0.0001
	P114-ROX-080912	8/9/2012		29.13	NE	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.005	<0.0001	<0.005	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	<0.00005	<0.005	<0.0001
	P114-ROX-110912	11/9/2012		30.90	NE	<0.0052	<0.0052	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	P114-ROX-012313	1/23/2013		30.22	NE	<0.0053 UJ	0.0024 J	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	<0.000053	<0.0053	<0.00011
	P114-ROX-041513	4/15/2013		31.80	NE	<0.0052	0.00047 J	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	<0.000052	<0.0052	<0.0001
	P114-ROX-071813	7/18/2013	32.67 - 52.67	27.22	NE	<0.0055	<0.0055	<0.0055	<0.00011	<0.00011	<0.0055	0.000071 J	<0.0055	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.000059	<0.0055	<0.00011
	P114-ROX-071813-DUP	7/18/2013		27.22	NE	<0.0053	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.000052 J	<0.0053	<0.00011
ROST-3-PZ	ROST3PZ-ROX-051412	5/14/2012	40.00 - 50.00	38.82	NE	<0.0052	<0.00043 U	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.0002 J	0.00017 J	<0.01	0.0087 J	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.000043 J	<0.0052	<0.0001
	ROST3PZ-ROX-080712	8/7/2012		39.00	NE	<0.0054	0.0049 J	<0.0054	<0.00011	<0.00011	<0.0054	<0.00011	<0.0054	0.00031	0.00038 J	<0.011	0.0056 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	<0.000054	<0.0054	<0.00011
	ROST3PZ-ROX-110112	11/1/2012		40.82	NE	<0.0053	0.0017 J	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	0.00028	0.00031	<0.011	0.0019 J	<0.011	<0.0053	<0.0053 UJ	<0.0053	<0.011	<0.000053	<0.0053 UJ	<0.00011
ROST-3-MW	ROST3MW-ROX-012313	1/23/2013	38.18 - 48.18	41.50	NE	<0.005 UJ	<0.005	<0.005	<0.0001	0.00031	<0.005	<0.0001	<0.005	0.0061	0.0087	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00068	<0.005	<0.0001
	ROST3MW-ROX-040513	4/5/2013		42.24	NE	<0.0054	0.00044 J	<0.0054	<0.00011	0.00017	<0.0054	<0.00011	<0.0054	0.0029	0.0039	<0.011	<0.011	<0.011	<0.0054	<0.0054 UJ	<0.0054	<0.011	0.00055	<0.0054 UJ	<0.00011
	ROST3MW-ROX-071113	7/11/2013	38.18 - 48.18	39.50	NE	<0.0054	<0.0054	<0.0054	<0.00011	0.00043	<0.0054	<0.00011	<0.0054	0.0105 J	0.0142	<0.011 UJ	<0.011 UJ	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011 UJ	0.00073	<0.0054 UJ	<0.000044 U
ROST-4-PZ(C)	ROST4PZ-C-051412	5/14/2012	34.95 - 44.95	39.04	NE	<0.005	<0.00058 U	<0.005	<0.0001	0.00022	<0.005	<0.0001	<0.005	0.0044	0.0049	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.01	0.00082	<0.005	0.000041 J
	ROST4PZ-C-ROX-072512	7/25/2012		39.10	NE	<0.0053	0.0015 J	<0.0053	<0.000041 U	0.00032 B	<0.0053	<0.00011	<0.0053	0.0102	0.0136	<0.011	0.00098 J	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0014	0.0023 J	<0.000081 U
	ROST4PZC-ROX-102912	10/29/2012		40.75	NE	<0.0052	0.0018 J	<0.0052	<0.0001	<0.0001	<0.0052	<0.0001	<0.0052	0.0004	0.00041	<0.01	<0.01	<0.01	<0.0052	<0.0052	<0.0052	<0.01	0.0002	<0.0052	<0.0001
	ROST4PZ(C)-ROX-011113	1/11/2013		41.42	NE	<0.0053 UJ	<0.0053	<0.0053	<0.00011	<0.00011	<0.0053	<0.00011	<0.0053	<0.00021	0.000064 J	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.00012	<0.0053	<0.00011
	ROST4PZC-ROX-041013	4/10/2013		42.27	NE	<0.0055	<0.0055	<0.0055	<0.00011	0.000069 J	<0.0055	<0.00011	<0.0055	0.00062	0.000078 J	<0.011	<0.011	<0.011	<0.0055	<0.0055	<0.0055	<0.011	0.00018	<0.0055 U	<0.00011
	ROST4PZC-ROX-071113	7/11/2013	34.95 - 44.95	40.18	NE	<0.0054	<0.0054	<0.0054	0.000099 J	0.00027	<0.0054	<0.00011	<0.0054	0.0027 J	0.0021	<0.011	<0.011	<0.011 UJ	<0.0054	<0.0054	<0.0054	<0.011	0.00052	0.00057 J J	<0.00009 U
T-12	T12-ROX-102711	10/27/2011	46.72 - 72.72	38.54	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.0006	<0.0051	<0.0001	<0.0051	0.0264	0.0415	<0.01	<0.01	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.0015	0.0167	0.0001
	T12-ROX-011912	1/19/2012		41.0	NE	<0.0056	<0.00048 U	<0.0056	0.000044 J	0.00043	<0.0056	0.000061 J	<0.0056	0.0158	0.0186	0.00091 J	<0.011	<0.011 UJ	<0.0056	<0.0056	<0.0056	<0.011	0.00054	0.0188	0.000067 J
	T12-ROX-050912	5/9/2012		42.62	NE	<0.005	<0.005	<0.005	<0.0001	0.00024	<0.005	<0.0001	<0.005	0.0164	0.0254	<0.01	0.0026 J	<0.01	<0.005	<0.005	<0.005	<0.01	0.00062	0.0094	0.000039 J
	T12-ROX-080212	8/2/2012		41.92	NE	<0.0054	<0.0054	<0.0054	0.000046 J	0.00029	<0.0054	<0.00011	<0.0054	0.0199	0.0294	0.0021 J	0.0027 J	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.00089	0.042	0.000062 J
	T12-ROX-110512	11/5/2012		43.91	NE	<0.005	<0.005	<0.005	<0.0001	0.00031	<0.005	<0.0001	<0.005	0.0232	0.0354	0.00096 J	0.0015 J	<0.01	<0.005	<0.005	<0.005	<0.01	0.00083	<0.005 UJ	0.000048 J
	T12-ROX-011813	1/18/2013		44.50	NE	<0.0053 UJ	<0.0053	<0.0053	<0.00011	0.00046	<0.0053	<0.00011	<0.0053	0.0241	0.0322	<0.011	<0.011	<0.011	<0.0053	<0.0053	<0.0053	<0.011	0.0011	0.0265	0.000067 J
	T12-ROX-041513	4/15/2013		44.99	NE	<0.0051	<0.0051	<0.0051	<0.0001	0.00037	<0.0051	<0.0001	<0.0051	0.0289	0.0444	0.0047 J	0.0042 J	<0.01	<0.0051	<0.0051	<0.0051	<0.01	0.0011	0.0149	0.000063 J
	T12-ROX-071613	7/16/2013	46.72 - 72.72	42.33	NE	<0.0054	<0.0054	<0.0054	0.000044 J	0.00034	<0.0054	<0.00011	<0.0054	0.0236	0.0331	0.0029 J J	<0.011	<0.011	<0.0054	<0.0054	<0.0054	<0.011	0.0011	0.0514 J	<0.00009 U

Notes:

[1] Denotes screening critieria source from 35 I.A.C. 620, Subpart D.

[2] Denotes screening critieria source from 35 I.A.C. 742 (TACO), Appendix B, Table E.

[3] Denotes screening criteria source from IL EPA Toxicity Assessment Unit (Chemicals not in TACO, Tier I Tables).

[4] Denotes screening criteria source R2008-018, Proposed Revisions to Groundwater Quality Standards, 35 I.A.C. 620.

[5] Beginning in 4Q12, naphthalene was analyzed via 8260 VOC, and prior historic results were reported by PAH analysis.

[6] Denotes wells not part of the Interim Groundwater Monitoring Program but split sampled with the IEPA during 2Q13

	Indicates a historical exceedance or screening criteria.
	Indicates a current exceedance or screening criteria.
R	Indicates current quarter analyte result was rejected.
	Empty cell without a value indicates previous quarter analyte result was rejected or the analyte was not part of method list when sampled.

LABORATORY QUALIFIERS

B = Target analyte or common lab contaminant was identified in the method blank indicating possible field or lab contamination.

D = The result is from a diluted sample.

J = The analyte was detected below the reporting limit. Result is estimated.

E = The value exceeds calibration range.

JN = Estimated value for tentatively identified compound (I brary search).

URS QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana,

SGS Accutest Job Number: MC22534

Sampling Date: 07/08/13

Report to:

AECOM, INC.

Melissa.mansker@aecom.com

ATTN: Melissa Mansker

Total number of pages in report: 118

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

SGS ACCUTEST

November 1, 2016

AECOM
1001 Highlands Plaza Drive West Suite 300
St. Louis, MO 63110

RE: SGS Accutest Job # MC22534

Dear Elizabeth Kunkel

As you are aware, SGS Accutest Inc. - Marlboroug has been conducting an extensive review of data associated with some historical Gas Chromatography-Mass Spectroscopy volatiles analyses. As a result of this review it was determined that some revisions of the original test report for this job were needed. These corrections have been incorporated into the revised report.

Please be assured that corrective actions have been put in place to address this matter and prevent a recurrence.

We apologize for any inconvenience that this issue may have caused. Please don't hesitate to contact us if we can be of further assistance.

Sincerely,

H. (Brad) Madadian

Regional Laboratory Director
SGS Accutest Inc. - Marlborough

Sections: 1 2 3 4 5 6 7 8

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Sample Summary

Shell Oil

Job No: MC22534

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC22534-1	07/08/13	09:55	LRDM	07/09/13	AQ	Ground Water	MW1-ROX-070813
MC22534-2	07/08/13	10:10	LRDM	07/09/13	AQ	Equipment Blank	MW9-ROX-070813-EB
MC22534-3	07/08/13	11:00	LRDM	07/09/13	AQ	Ground Water	MW9-ROX-070813
MC22534-4	07/08/13	13:35	LRDM	07/09/13	AQ	Ground Water	MW10-ROX-070813
MC22534-5	07/08/13	14:20	LRDM	07/09/13	AQ	Ground Water	MW11-ROX-070813
MC22534-6	07/08/13	15:40	LRDM	07/09/13	AQ	Ground Water	MW16-ROX-070813
MC22534-6D	07/08/13	15:40	LRDM	07/09/13	AQ	Water Dup/MSD	MW16-ROX-070813
MC22534-6S	07/08/13	15:40	LRDM	07/09/13	AQ	Water Matrix Spike	MW16-ROX-070813
MC22534-7	07/08/13	00:00	LRDM	07/09/13	AQ	Trip Blank Water	TB-ROX-070813-HCL
MC22534-8	07/08/13	00:00	LRDM	07/09/13	AQ	Trip Blank Water	TB-ROX-0708136-ST

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: She O **Job No** MC22534

Site: URSMOSTL:Roxana 3Q 3 GW/ 2 562850 03003 900 South Centra **Report Date** / /20 6 3: 6:09 PM

6 Samp e(s), 2 Tr p B ank(s) were co ected on 07/08/20 3 and were rece ved at SGS Accutest New Eng and on 07/09/20 3 proper y preserved, at 2 4 Deg C and ntact These Samp es rece ved a job number of MC22534 A st ng of the Laboratory Samp e ID, C ent Samp e ID and dates of co ect on are presented n the Resu ts Summary Sect on of th s report -Ch orohexane, Benzeneth o , D benz(a,h)acr d ne, Indene, and Qu no ne were searched n the bra y search and reported on y f detect ons were found

Except as noted be ow, a method spec f ed ca brat ons and qua ty contro performance cr ter a were met for th s job For more nformat on, p ease refer to QC summary pages

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** MSN2937

- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22534-6MS, MC22534-6MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- MSN2937-BS Recovery(s) for Acetone, V ny Acetate are outs de contro m ts
- MSN2937-BS Recovery(s) for Acro e n are outs de contro m ts
- Matr x Sp ke Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone, V ny Acetate are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference
- Matr x Sp ke Dup cate Recove y(s) for Acetone, Acro e n are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference

Matrix: AQ **Batch ID:** MSN2939

- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22559- MS, MC22559- MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- MSN2939-BS/BSD Recovery(s) for Acro e n are outs de contro m ts
- MC22559- MS/MSD Recovery(s) for 2-Butanone (MEK), Acetone, Acro e n are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference Refer to B ank Sp ke

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP3394

- A samp es were extracted w th n the recommended method ho d ng t me
- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22534-6MS, MC22534-6MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- OP3394 -BS/MSD Recovery(s) for Hexach orocyc opentad ene, Hexach oroethane are outs de contro m ts
- Matr x Sp ke Recovery(s) for Hexach orocyc opentad ene are outs de contro m ts
- RPD(s) for MSD for Hexach oroethane are outs de contro m ts for samp e OP3394 -MSD
- MC22534-3 for 2,4,6-Tr bromopheno : Outs de contro m ts Samp e re-extracted/reana yzed
- MC22534-3 for Pheno -d5: Outs de contro m ts Samp e re-extracted/reana yzed
- MC22534-3 for 2-F uoropheno : Outs de contro m ts Samp e re-extracted/reana yzed

Matrix: AQ **Batch ID:** OP34082

- A method b anks for th s batch meet method spec f c cr ter a
- Samp e(s) MC22900-3MS, MC22900-3MSD were used as the QC samp es nd cated
- MC22534-3: Samp e re-extracted beyond recommended ho d ng t me

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP33942

- A samp es were extracted w th n the recommended method ho d ng t me
- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22534-6MS, MC22534-6MSD were used as the QC samp es nd cated
- Samp e(s) MC22534- , MC22534-2, MC22534-3, MC22534-4, MC22534-6 have compound(s) reported w th a “B” qua f er, nd cat ng ana yte s found n the assoc ated method b ank

Volatiles by GC By Method SW846 8011

Matrix: AQ **Batch ID:** OP3396

- A samp es were extracted w th n the recommended method ho d ng t me
- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22534-6MS, MC22534-6MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a

SGS Accutest New Eng and cert f es that a ana ys s were performed w th n method spec f cat on It s further recommended that th s report to be used n ts ent rety The Laborato y D rector for SGS Accutest New Eng and or ass gnee as ver f ed by the s gnature on the cover page has author zed the re ease of th s repo t(MC22534)

Summary of Hits

Job Number: MC22534
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/08/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22534-1	MW1-ROX-070813					
Methyl Tert Butyl Ether		4.9	1.0	0.43	ug/l	SW846 8260B
Methylene chloride		0.97 J	2.0	0.41	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate		2.4	2.0	0.50	ug/l	SW846 8270C
Acenaphthene		0.026 JB	0.10	0.014	ug/l	SW846 8270C BY SIM
Benzo(b)fluoranthene		0.027 J	0.051	0.024	ug/l	SW846 8270C BY SIM
Fluoranthene		0.033 J	0.10	0.033	ug/l	SW846 8270C BY SIM
Phenanthrene		0.043 JB	0.051	0.013	ug/l	SW846 8270C BY SIM
MC22534-2	MW9-ROX-070813-EB					
Benzene		3.6	0.50	0.45	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate		2.4	2.1	0.51	ug/l	SW846 8270C
Phenanthrene		0.022 JB	0.053	0.013	ug/l	SW846 8270C BY SIM
MC22534-3	MW9-ROX-070813					
Methylene chloride		1.5 J	2.0	0.41	ug/l	SW846 8260B
Benzo(b)fluoranthene		0.035 J	0.056	0.026	ug/l	SW846 8270C BY SIM
Phenanthrene		0.028 JB	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22534-4	MW10-ROX-070813					
Methylene chloride		1.6 J	2.0	0.41	ug/l	SW846 8260B
Total TIC, Volatile		49 J			ug/l	
bis(2-Ethylhexyl)phthalate		2.7	2.2	0.54	ug/l	SW846 8270C
Phenanthrene		0.021 JB	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22534-5	MW11-ROX-070813					
Methylene chloride		1.0 J	2.0	0.41	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate		5.2	2.2	0.53	ug/l	SW846 8270C
MC22534-6	MW16-ROX-070813					
Benzene		0.62	0.50	0.45	ug/l	SW846 8260B
Phenanthrene		0.018 JB	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22534-7	TB-ROX-070813-HCL					

No hits reported in this sample.

Summary of Hits

Job Number: MC22534
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/08/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22534-8	TB-ROX-0708136-ST					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78303.D	1	07/17/13	JB	n/a	n/a	MSN2939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.9	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	0.97	2.0	0.41	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32156.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.1	0.39	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.51	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.60	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.1	0.52	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.58	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.65	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	0.21	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	0.87	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.94	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	0.67	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.69	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.51	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	0.40	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	0.44	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.1	0.51	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	0.51	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	0.30	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.6	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.45	ug/l	
78-59-1	Isophorone	ND	5.1	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.51	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.4	ug/l	
98-95-3	Nitrobenzene	ND	5.1	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.1	0.51	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	0.82	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.55	ug/l	
110-86-1	Pyridine	ND	10	0.53	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		15-110%
4165-62-2	Phenol-d5	33%		15-110%
118-79-6	2,4,6-Tribromophenol	82%		15-110%
4165-60-0	Nitrobenzene-d5	80%		30-130%
321-60-8	2-Fluorobiphenyl	85%		30-130%
1718-51-0	Terphenyl-d14	89%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I84761A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.026	0.10	0.014	ug/l	JB
208-96-8	Acenaphthylene	ND	0.10	0.014	ug/l	
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.051	0.031	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.018	ug/l	
205-99-2	Benzo(b)fluoranthene	0.027	0.051	0.024	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.060	ug/l	
218-01-9	Chrysene	ND	0.10	0.074	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.043	ug/l	
206-44-0	Fluoranthene	0.033	0.10	0.033	ug/l	J
86-73-7	Fluorene	ND	0.10	0.047	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.047	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	0.053	ug/l	
85-01-8	Phenanthrene	0.043	0.051	0.013	ug/l	JB
129-00-0	Pyrene	ND	0.10	0.036	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		30-130%
321-60-8	2-Fluorobiphenyl	88%		30-130%
1718-51-0	Terphenyl-d14	97%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW1-ROX-070813		
Lab Sample ID:	MC22534-1	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26675.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	128%		36-173%
460-00-4	Bromofluorobenzene (S)	126%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78256.D	1	07/16/13	JB	n/a	n/a	MSN2937
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	3.6	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32157.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.3	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.52	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.35	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	2.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.53	ug/l	
100-02-7	4-Nitrophenol	ND	21	0.61	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.3	ug/l	
108-95-2	Phenol	ND	5.3	0.54	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.60	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.33	ug/l	
62-53-3	Aniline	ND	11	0.67	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	0.21	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.3	0.90	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.61	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	0.69	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.71	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.68	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.53	ug/l	
132-64-9	Dibenzofuran	ND	2.1	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	0.41	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	0.46	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.3	0.53	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	0.53	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.1	0.51	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	0.31	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.6	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.46	ug/l	
78-59-1	Isophorone	ND	5.3	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.53	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.6	ug/l	
98-95-3	Nitrobenzene	ND	5.3	0.26	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	0.53	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	0.85	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.57	ug/l	
110-86-1	Pyridine	ND	11	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		15-110%
4165-62-2	Phenol-d5	30%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		15-110%
4165-60-0	Nitrobenzene-d5	76%		30-130%
321-60-8	2-Fluorobiphenyl	78%		30-130%
1718-51-0	Terphenyl-d14	97%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I84762A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.014	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	ND	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	0.032	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.018	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.062	ug/l	
218-01-9	Chrysene	ND	0.11	0.077	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.044	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.034	ug/l	
86-73-7	Fluorene	ND	0.11	0.049	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.048	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.21	0.15	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.21	0.055	ug/l	
85-01-8	Phenanthrene	0.022	0.053	0.013	ug/l	JB
129-00-0	Pyrene	ND	0.11	0.037	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	106%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813-EB		
Lab Sample ID:	MC22534-2	**Date Sampled:**	07/08/13
Matrix:	AQ - Equipment Blank	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26676.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	35.0 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	137%		36-173%
460-00-4	Bromofluorobenzene (S)	138%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78304.D	1	07/17/13	JB	n/a	n/a	MSN2939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	1.5	2.0	0.41	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32159.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
Run #2 [a]	R32336.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2	920 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND [b]	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND [b]	5.4	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND [b]	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND [b]	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND [b]	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND [b]	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND [b]	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND [b]	11	1.4	ug/l	
	3&4-Methylphenol	ND [b]	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND [b]	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND [b]	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND [b]	11	1.4	ug/l	
108-95-2	Phenol	ND [b]	5.4	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND [b]	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND [b]	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.71	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.64	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.75	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.6	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.6	0.48	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.90	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.60	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	2% [c]	28%	15-110%
4165-62-2	Phenol-d5	1% [c]	20%	15-110%
118-79-6	2,4,6-Tribromophenol	4% [c]	48%	15-110%
4165-60-0	Nitrobenzene-d5	85%	70%	30-130%
321-60-8	2-Fluorobiphenyl	90%	85%	30-130%
1718-51-0	Terphenyl-d14	103%	80%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Sample re-extracted beyond recommended holding time.
(b) Result is from Run# 2
(c) Outside control limits. Sample re-extracted/reanalyzed.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I84763A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	0.035	0.056	0.026	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.065	ug/l	
218-01-9	Chrysene	ND	0.11	0.081	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.028	0.056	0.014	ug/l	JB
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	96%		30-130%
321-60-8	2-Fluorobiphenyl	92%		30-130%
1718-51-0	Terphenyl-d14	111%		30-130%

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Report of Analysis

Client Sample ID:	MW9-ROX-070813		
Lab Sample ID:	MC22534-3	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26677.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	34.2 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0046	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	159%		36-173%
460-00-4	Bromofluorobenzene (S)	153%		36-173%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78305.D	1	07/17/13	JB	n/a	n/a	MSN2939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	1.6	2.0	0.41	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
78-78-4	Butane, 2-methyl-	5.82	49	ug/l	JN
	Total TIC, Volatile		49	ug/l	J

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32160.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	0.43	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.55	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.3	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.65	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	5.6	0.57	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.64	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.71	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.64	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.75	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.6	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.6	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.7	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.90	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.60	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		15-110%
4165-62-2	Phenol-d5	39%		15-110%
118-79-6	2,4,6-Tribromophenol	91%		15-110%
4165-60-0	Nitrobenzene-d5	86%		30-130%
321-60-8	2-Fluorobiphenyl	88%		30-130%
1718-51-0	Terphenyl-d14	104%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I84764A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.065	ug/l	
218-01-9	Chrysene	ND	0.11	0.081	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.021	0.056	0.014	ug/l	JB
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	96%		30-130%
321-60-8	2-Fluorobiphenyl	90%		30-130%
1718-51-0	Terphenyl-d14	111%		30-130%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW10-ROX-070813		
Lab Sample ID:	MC22534-4	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26678.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	33.4 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.016	0.0047	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.016	0.010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	155%		36-173%
460-00-4	Bromofluorobenzene (S)	155%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78306.D	1	07/17/13	JB	n/a	n/a	MSN2939
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	1.0	2.0	0.41	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32162.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.41	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.35	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.3	ug/l	
108-95-2	Phenol	ND	5.4	0.55	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.92	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.99	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.70	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.69	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	5.2	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.47	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.87	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.58	ug/l	
110-86-1	Pyridine	ND	11	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		15-110%
4165-62-2	Phenol-d5	23%		15-110%
118-79-6	2,4,6-Tribromophenol	47%		15-110%
4165-60-0	Nitrobenzene-d5	83%		30-130%
321-60-8	2-Fluorobiphenyl	94%		30-130%
1718-51-0	Terphenyl-d14	101%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I84765A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	ND	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	0.032	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.063	ug/l	
218-01-9	Chrysene	ND	0.11	0.078	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	ND	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.049	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.056	ug/l	
85-01-8	Phenanthrene	ND	0.054	0.014	ug/l	
129-00-0	Pyrene	ND	0.11	0.038	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		30-130%
321-60-8	2-Fluorobiphenyl	98%		30-130%
1718-51-0	Terphenyl-d14	109%		30-130%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW11-ROX-070813		
Lab Sample ID:	MC22534-5	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26679.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	35.2 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	135%		36-173%
460-00-4	Bromofluorobenzene (S)	133%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78302.D	1	07/17/13	JB	n/a	n/a	MSN2937
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	0.62	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32154.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	0.43	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.55	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.3	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.65	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	5.6	0.57	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.64	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.71	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.64	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.75	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.6	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.6	0.48	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.90	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.60	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		15-110%
4165-62-2	Phenol-d5	49%		15-110%
118-79-6	2,4,6-Tribromophenol	93%		15-110%
4165-60-0	Nitrobenzene-d5	83%		30-130%
321-60-8	2-Fluorobiphenyl	96%		30-130%
1718-51-0	Terphenyl-d14	98%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I84760A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.065	ug/l	
218-01-9	Chrysene	ND	0.11	0.081	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.018	0.056	0.014	ug/l	JB
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		30-130%
321-60-8	2-Fluorobiphenyl	98%		30-130%
1718-51-0	Terphenyl-d14	104%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW16-ROX-070813		
Lab Sample ID:	MC22534-6	**Date Sampled:**	07/08/13
Matrix:	AQ - Ground Water	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26680.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	34.3 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0046	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	171%		36-173%
460-00-4	Bromofluorobenzene (S)	166%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-070813-HCL		
Lab Sample ID:	MC22534-7	**Date Sampled:**	07/08/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78255.D	1	07/16/13	JB	n/a	n/a	MSN2937
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-070813-HCL		
Lab Sample ID:	MC22534-7	**Date Sampled:**	07/08/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-070813-HCL		
Lab Sample ID:	MC22534-7	**Date Sampled:**	07/08/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-0708136-ST		
Lab Sample ID:	MC22534-8	**Date Sampled:**	07/08/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/09/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK26682.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
Run #2							

	Initial Volume	Final Volume
Run #1	33.9 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0047	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	161%		36-173%
460-00-4	Bromofluorobenzene (S)	148%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☑ OTHER Accutest Labs; 495 Technology Ctr W Marlborough, MA 01752 (508-481-6200)
☐ SPL ☐ Lab Vendor # (_____)
Lab Vendor #

Shell Oil Products Chain Of Custody Record

URS

Please Check Appropriate Box:
☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Bob Billman
PO #
INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
SAP #: 3 4 0 0 6 1
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 7/8/13
PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@urs.com; elizabeth.kunkel@urs.com; wendy.pennington@urs.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
GLOBAL ID NO.:
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO.: Roxana Quarterly GW / 21562850.03003
SAMPLER NAME(S) (Print): L. Rathnow, D. Mattingly
LAB USE ONLY: MC22534

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD
TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports.
* Please provide sample receipt upon login.
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	SVOC 8270C SL+TICS	PAH 8270LL	PID (ppm)	Container PID Readings or Laboratory Notes
-1	MW1-ROX-070813	7/8/13	0955	Water	2			2	2	6	X	X	X	X	0	
-2	MW9-ROX-070813-EB		1010		2			2	2	6	X	X	X	X		
-3	MW9-ROX-070813		1100		2			2	2	6	X	X	X	X		
-4	MW10-ROX-070813		1335		2			2	2	6	X	X	X	X		
-5	MW11-ROX-070813		1420		2			2	2	6	X	X	X	X		
-6	MW16-ROX-070813		1540		2			2	2	6	X	X	X	X		
-6S	MW16-ROX-070813-MS		1540		2			2	2	6	X	X	X	X		17C, 4K2
-6SD	MW16-ROX-070813-MSD		1540		2			2	2	6	X	X	X	X		
-7	TB-ROX-070813-HCL		00:00		2					2	X					
-8	TB-ROX-070813-ST	↓	00:00	↓					2	2		X			↓	2.4°, 1.1°

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	FED EX	7/8/13	
Fedex	[signature]	7/9/13	9:00

05/2/06 Revision

MC22534: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC22534 **Client:** URS **Immediate Client Services Action Required:** No

Date / Time Received: 7/9/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 900 SO CENTRAL **No. Coolers:** 2 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22534

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22534-1 Collected: 08-JUL-13 09:55 By: LRDM Received: 09-JUL-13 By: MW1-ROX-070813						
MC22534-1	SW846 8011	11-JUL-13 17:48	NK	11-JUL-13	NK	V8011SL
MC22534-1	SW846 8270C	12-JUL-13 11:53	KR	09-JUL-13	PA	AB8270SL+
MC22534-1	SW846 8270C BY SIM	12-JUL-13 13:21	WK	09-JUL-13	PA	B8270SIMSL
MC22534-1	SW846 8260B	17-JUL-13 12:30	JB			V8260SL+
MC22534-2 Collected: 08-JUL-13 10:10 By: LRDM Received: 09-JUL-13 By: MW9-ROX-070813-EB						
MC22534-2	SW846 8011	11-JUL-13 18:11	NK	11-JUL-13	NK	V8011SL
MC22534-2	SW846 8270C	12-JUL-13 12:16	KR	09-JUL-13	PA	AB8270SL+
MC22534-2	SW846 8270C BY SIM	12-JUL-13 16:29	WK	09-JUL-13	PA	B8270SIMSL
MC22534-2	SW846 8260B	16-JUL-13 10:04	JB			V8260SL+
MC22534-3 Collected: 08-JUL-13 11:00 By: LRDM Received: 09-JUL-13 By: MW9-ROX-070813						
MC22534-3	SW846 8011	11-JUL-13 18:33	NK	11-JUL-13	NK	V8011SL
MC22534-3	SW846 8270C	12-JUL-13 13:02	KR	09-JUL-13	PA	AB8270SL+
MC22534-3	SW846 8270C BY SIM	12-JUL-13 16:51	WK	09-JUL-13	PA	B8270SIMSL
MC22534-3	SW846 8260B	17-JUL-13 12:58	JB			V8260SL+
MC22534-3	SW846 8270C	23-JUL-13 16:42	KR	22-JUL-13	PA	AB8270SL+
MC22534-4 Collected: 08-JUL-13 13:35 By: LRDM Received: 09-JUL-13 By: MW10-ROX-070813						
MC22534-4	SW846 8011	11-JUL-13 18:56	NK	11-JUL-13	NK	V8011SL
MC22534-4	SW846 8270C	12-JUL-13 13:25	KR	09-JUL-13	PA	AB8270SL+
MC22534-4	SW846 8270C BY SIM	12-JUL-13 17:12	WK	09-JUL-13	PA	B8270SIMSL
MC22534-4	SW846 8260B	17-JUL-13 13:27	JB			V8260SL+
MC22534-5 Collected: 08-JUL-13 14:20 By: LRDM Received: 09-JUL-13 By: MW11-ROX-070813						
MC22534-5	SW846 8011	11-JUL-13 19:19	NK	11-JUL-13	NK	V8011SL
MC22534-5	SW846 8270C	12-JUL-13 14:11	KR	09-JUL-13	PA	AB8270SL+
MC22534-5	SW846 8270C BY SIM	12-JUL-13 17:34	WK	09-JUL-13	PA	B8270SIMSL
MC22534-5	SW846 8260B	17-JUL-13 13:55	JB			V8260SL+

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22534

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22534-6 Collected: 08-JUL-13 15:40 By: LRDM Received: 09-JUL-13 By: MW16-ROX-070813						
MC22534-6	SW846 8011	11-JUL-13 19:42	NK	11-JUL-13	NK	V8011SL
MC22534-6	SW846 8270C	12-JUL-13 11:07	KR	09-JUL-13	PA	AB8270SL+
MC22534-6	SW846 8270C BY SIM	12-JUL-13 13:00	WK	09-JUL-13	PA	B8270SIMSL
MC22534-6	SW846 8260B	17-JUL-13 12:02	JB			V8260SL+
MC22534-7 Collected: 08-JUL-13 00:00 By: LRDM Received: 09-JUL-13 By: TB-ROX-070813-HCL						
MC22534-7	SW846 8260B	16-JUL-13 09:36	JB			V8260SL+
MC22534-8 Collected: 08-JUL-13 00:00 By: LRDM Received: 09-JUL-13 By: TB-ROX-0708136-ST						
MC22534-8	SW846 8011	11-JUL-13 20:27	NK	11-JUL-13	NK	V8011SL

SGS Accutest Internal Chain of Custody

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22534-1.2	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-1.2	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-1.3	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-1.3	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-1.3	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-1.3	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-1.3	Scott Parsick		10/04/13 13:49	Disposed
MC22534-1.4	VOC Ref #4	Kerry Ryan	07/12/13 14:49	Retrieve from Storage
MC22534-1.4	Kerry Ryan	GCMSL	07/12/13 14:49	Load on Instrument
MC22534-1.4	GCMSL	Kerry Ryan	07/15/13 09:01	Unload from Instrument
MC22534-1.4	Kerry Ryan	VOC Ref #4	07/15/13 09:01	Return to Storage
MC22534-1.4	VOC Ref #4	Jaclyn Bergeron	07/17/13 09:43	Retrieve from Storage
MC22534-1.4	Jaclyn Bergeron	GCMSN	07/17/13 09:43	Load on Instrument
MC22534-1.4	GCMSN	Jaclyn Bergeron	07/18/13 08:25	Unload from Instrument
MC22534-1.4	Jaclyn Bergeron	VOC Ref #4	07/18/13 08:26	Return to Storage
MC22534-1.4	Scott Parsick		10/04/13 13:49	Disposed
MC22534-1.5	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-1.5	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-2.2	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-2.2	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-2.4	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-2.4	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-2.4	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-2.4	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-2.4	Scott Parsick		10/04/13 13:49	Disposed
MC22534-2.5	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-2.5	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-3.1	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-3.1	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-3.2	Walk In Ref #22	Thomas Abruzzise	07/22/13 15:39	Retrieve from Storage
MC22534-3.2	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22534-3.3	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-3.3	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-3.3	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-3.3	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage

SGS Accutest Internal Chain of Custody

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22534-3.3	Scott Parsick		10/04/13 13:49	Disposed
MC22534-3.4	VOC Ref #4	Kerry Ryan	07/12/13 14:49	Retrieve from Storage
MC22534-3.4	Kerry Ryan	GCMSL	07/12/13 14:49	Load on Instrument
MC22534-3.4	GCMSL	Kerry Ryan	07/15/13 09:01	Unload from Instrument
MC22534-3.4	Kerry Ryan	VOC Ref #4	07/15/13 09:01	Return to Storage
MC22534-3.4	VOC Ref #4	Jaclyn Bergeron	07/17/13 09:43	Retrieve from Storage
MC22534-3.4	Jaclyn Bergeron	GCMSN	07/17/13 09:43	Load on Instrument
MC22534-3.4	GCMSN	Jaclyn Bergeron	07/18/13 08:25	Unload from Instrument
MC22534-3.4	Jaclyn Bergeron	VOC Ref #4	07/18/13 08:26	Return to Storage
MC22534-3.4	Scott Parsick		10/04/13 13:49	Disposed
MC22534-3.5	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-3.5	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-4.2	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-4.2	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-4.3	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-4.3	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-4.3	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-4.3	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-4.3	Scott Parsick		10/04/13 13:49	Disposed
MC22534-4.4	VOC Ref #4	Kerry Ryan	07/12/13 14:49	Retrieve from Storage
MC22534-4.4	Kerry Ryan	GCMSL	07/12/13 14:49	Load on Instrument
MC22534-4.4	GCMSL	Kerry Ryan	07/15/13 09:01	Unload from Instrument
MC22534-4.4	Kerry Ryan	VOC Ref #4	07/15/13 09:01	Return to Storage
MC22534-4.4	VOC Ref #4	Jaclyn Bergeron	07/17/13 11:26	Retrieve from Storage
MC22534-4.4	Jaclyn Bergeron	GCMSN	07/17/13 11:26	Load on Instrument
MC22534-4.4	GCMSN	Jaclyn Bergeron	07/18/13 08:25	Unload from Instrument
MC22534-4.4	Jaclyn Bergeron	VOC Ref #4	07/18/13 08:26	Return to Storage
MC22534-4.4	Scott Parsick		10/04/13 13:49	Disposed
MC22534-4.6	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-4.6	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-5.1	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-5.1	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-5.3	VOC Ref #4	Kerry Ryan	07/12/13 14:49	Retrieve from Storage
MC22534-5.3	Kerry Ryan	GCMSL	07/12/13 14:49	Load on Instrument
MC22534-5.3	GCMSL	Kerry Ryan	07/15/13 09:01	Unload from Instrument
MC22534-5.3	Kerry Ryan	VOC Ref #4	07/15/13 09:01	Return to Storage

SGS Accutest Internal Chain of Custody

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22534-5.3	VOC Ref #4	Jaclyn Bergeron	07/17/13 09:43	Retrieve from Storage
MC22534-5.3	Jaclyn Bergeron	GCMSN	07/17/13 09:43	Load on Instrument
MC22534-5.3	GCMSN	Jaclyn Bergeron	07/18/13 08:25	Unload from Instrument
MC22534-5.3	Jaclyn Bergeron	VOC Ref #4	07/18/13 08:26	Return to Storage
MC22534-5.3	Scott Parsick		10/04/13 13:49	Disposed
MC22534-5.4	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-5.4	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-5.4	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-5.4	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-5.4	Scott Parsick		10/04/13 13:49	Disposed
MC22534-5.5	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-5.5	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-6.1	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-6.1	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-6.4	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-6.4	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-6.5	Walk In Ref #22	Bijan Jafari	07/09/13 13:11	Retrieve from Storage
MC22534-6.5	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-6.7	VOC Ref #4	Kerry Ryan	07/12/13 14:49	Retrieve from Storage
MC22534-6.7	Kerry Ryan	GCMSL	07/12/13 14:49	Load on Instrument
MC22534-6.7	GCMSL	Kerry Ryan	07/15/13 09:01	Unload from Instrument
MC22534-6.7	Kerry Ryan	VOC Ref #4	07/15/13 09:01	Return to Storage
MC22534-6.7	Scott Parsick		10/04/13 13:49	Disposed
MC22534-6.8	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-6.8	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-6.8	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-6.8	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-6.8	Scott Parsick		10/04/13 13:49	Disposed
MC22534-6.9	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-6.9	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-6.9	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-6.9	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-6.9	Scott Parsick		10/04/13 13:49	Disposed
MC22534-6.10	VOC Ref #4	Jaclyn Bergeron	07/17/13 09:43	Retrieve from Storage
MC22534-6.10	Jaclyn Bergeron	GCMSN	07/17/13 09:43	Load on Instrument

SGS Accutest Internal Chain of Custody

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22534-6.10	GCMSN	Jaclyn Bergeron	07/18/13 08:25	Unload from Instrument
MC22534-6.10	Jaclyn Bergeron	VOC Ref #4	07/18/13 08:26	Return to Storage
MC22534-6.10	Scott Parsick		10/04/13 13:49	Disposed
MC22534-6.11	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-6.11	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-6.11	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-6.11	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-6.11	Scott Parsick		10/04/13 13:49	Disposed
MC22534-6.12	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-6.12	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-6.12	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-6.12	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-6.12	Scott Parsick		10/04/13 13:49	Disposed
MC22534-6.14	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-6.14	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-6.15	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-6.15	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-6.17	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-6.17	Bijan Jafari		07/11/13 10:33	Depleted
MC22534-7.2	VOC Ref #4	Jaclyn Bergeron	07/16/13 08:11	Retrieve from Storage
MC22534-7.2	Jaclyn Bergeron	GCMSN	07/16/13 08:11	Load on Instrument
MC22534-7.2	GCMSN	Jaclyn Bergeron	07/17/13 09:41	Unload from Instrument
MC22534-7.2	Jaclyn Bergeron	VOC Ref #4	07/17/13 09:41	Return to Storage
MC22534-7.2	Scott Parsick		10/04/13 13:49	Disposed
MC22534-8.1	VOC Ref #4	Bijan Jafari	07/11/13 08:24	Retrieve from Storage
MC22534-8.1	Bijan Jafari		07/11/13 10:33	Depleted

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-MB	N78247.D	1	07/16/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-MB	N78247.D	1	07/16/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-7

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-MB	N78247.D	1	07/16/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2939-MB	N78298.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2939-MB	N78298.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2939-MB	N78298.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-MB1	N78298.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-MB1	N78298.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-6

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-MB1	N78298.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-BS	N78244.D	1	07/16/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	30.2	60* [a]	70-130
107-02-8	Acrolein	250	326	130	70-130
107-13-1	Acrylonitrile	50	49.4	99	70-130
71-43-2	Benzene	50	52.0	104	70-130
108-86-1	Bromobenzene	50	49.1	98	70-130
74-97-5	Bromochloromethane	50	51.0	102	70-130
75-27-4	Bromodichloromethane	50	55.6	111	70-130
75-25-2	Bromoform	50	46.6	93	70-130
74-83-9	Bromomethane	50	42.9	86	70-130
78-93-3	2-Butanone (MEK)	50	35.9	72	70-130
104-51-8	n-Butylbenzene	50	50.7	101	70-130
135-98-8	sec-Butylbenzene	50	53.5	107	70-130
98-06-6	tert-Butylbenzene	50	52.8	106	70-130
75-15-0	Carbon disulfide	50	48.8	98	70-130
56-23-5	Carbon tetrachloride	50	51.8	104	70-130
108-90-7	Chlorobenzene	50	54.2	108	70-130
75-00-3	Chloroethane	50	49.9	100	70-130
110-75-8	2-Chloroethyl vinyl ether	50	49.8	100	70-130
67-66-3	Chloroform	50	51.9	104	70-130
74-87-3	Chloromethane	50	54.4	109	70-130
95-49-8	o-Chlorotoluene	50	50.2	100	70-130
106-43-4	p-Chlorotoluene	50	53.3	107	70-130
124-48-1	Dibromochloromethane	50	48.3	97	70-130
95-50-1	1,2-Dichlorobenzene	50	55.5	111	70-130
541-73-1	1,3-Dichlorobenzene	50	52.8	106	70-130
106-46-7	1,4-Dichlorobenzene	50	51.8	104	70-130
75-71-8	Dichlorodifluoromethane	50	45.3	91	70-130
75-34-3	1,1-Dichloroethane	50	51.3	103	70-130
107-06-2	1,2-Dichloroethane	50	54.6	109	70-130
75-35-4	1,1-Dichloroethene	50	47.4	95	70-130
156-59-2	cis-1,2-Dichloroethene	50	49.8	100	70-130
156-60-5	trans-1,2-Dichloroethene	50	50.6	101	70-130
78-87-5	1,2-Dichloropropane	50	50.0	100	70-130
142-28-9	1,3-Dichloropropane	50	51.8	104	70-130
594-20-7	2,2-Dichloropropane	50	45.8	92	70-130
563-58-6	1,1-Dichloropropene	50	52.8	106	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-BS	N78244.D	1	07/16/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	46.1	92	70-130
10061-02-6	trans-1,3-Dichloropropene	50	48.5	97	70-130
123-91-1	1,4-Dioxane	250	237	95	70-130
97-63-2	Ethyl methacrylate	50	49.8	100	77-137
100-41-4	Ethylbenzene	50	49.9	100	70-130
87-68-3	Hexachlorobutadiene	50	51.6	103	70-130
591-78-6	2-Hexanone	50	41.2	82	70-130
98-82-8	Isopropylbenzene	50	51.8	104	70-130
99-87-6	p-Isopropyltoluene	50	53.4	107	70-130
1634-04-4	Methyl Tert Butyl Ether	50	48.3	97	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	48.5	97	70-130
74-95-3	Methylene bromide	50	53.4	107	70-130
75-09-2	Methylene chloride	50	49.1	98	70-130
91-20-3	Naphthalene	50	50.9	102	70-130
103-65-1	n-Propylbenzene	50	51.1	102	70-130
100-42-5	Styrene	50	49.2	98	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	49.9	100	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	50.1	100	70-130
127-18-4	Tetrachloroethene	50	51.1	102	70-130
108-88-3	Toluene	50	53.0	106	70-130
87-61-6	1,2,3-Trichlorobenzene	50	54.2	108	70-130
120-82-1	1,2,4-Trichlorobenzene	50	53.4	107	70-130
71-55-6	1,1,1-Trichloroethane	50	51.9	104	70-130
79-00-5	1,1,2-Trichloroethane	50	53.4	107	70-130
79-01-6	Trichloroethene	50	51.5	103	70-130
75-69-4	Trichlorofluoromethane	50	46.2	92	70-130
96-18-4	1,2,3-Trichloropropane	50	46.5	93	70-130
95-63-6	1,2,4-Trimethylbenzene	50	48.8	98	70-130
108-67-8	1,3,5-Trimethylbenzene	50	47.3	95	70-130
108-05-4	Vinyl Acetate	50	31.9	64* [a]	70-130
75-01-4	Vinyl chloride	50	38.0	76	70-130
	m,p-Xylene	100	106	106	70-130
95-47-6	o-Xylene	50	56.6	113	70-130
1330-20-7	Xylene (total)	150	163	109	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-BS	N78244.D	1	07/16/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	92%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-BS1	N78295.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	42.2	84	70-130
107-02-8	Acrolein	250	378	151* [a]	70-130
107-13-1	Acrylonitrile	50	48.0	96	70-130
71-43-2	Benzene	50	53.4	107	70-130
108-86-1	Bromobenzene	50	52.0	104	70-130
74-97-5	Bromochloromethane	50	52.5	105	70-130
75-27-4	Bromodichloromethane	50	56.2	112	70-130
75-25-2	Bromoform	50	42.9	86	70-130
74-83-9	Bromomethane	50	51.6	103	70-130
78-93-3	2-Butanone (MEK)	50	43.1	86	70-130
104-51-8	n-Butylbenzene	50	53.8	108	70-130
135-98-8	sec-Butylbenzene	50	57.1	114	70-130
98-06-6	tert-Butylbenzene	50	56.0	112	70-130
75-15-0	Carbon disulfide	50	51.4	103	70-130
56-23-5	Carbon tetrachloride	50	49.8	100	70-130
108-90-7	Chlorobenzene	50	53.3	107	70-130
75-00-3	Chloroethane	50	52.1	104	70-130
110-75-8	2-Chloroethyl vinyl ether	50	52.7	105	70-130
67-66-3	Chloroform	50	53.4	107	70-130
74-87-3	Chloromethane	50	54.4	109	70-130
95-49-8	o-Chlorotoluene	50	54.0	108	70-130
106-43-4	p-Chlorotoluene	50	56.9	114	70-130
124-48-1	Dibromochloromethane	50	46.3	93	70-130
95-50-1	1,2-Dichlorobenzene	50	57.6	115	70-130
541-73-1	1,3-Dichlorobenzene	50	54.3	109	70-130
106-46-7	1,4-Dichlorobenzene	50	54.6	109	70-130
75-71-8	Dichlorodifluoromethane	50	49.7	99	70-130
75-34-3	1,1-Dichloroethane	50	53.7	107	70-130
107-06-2	1,2-Dichloroethane	50	55.9	112	70-130
75-35-4	1,1-Dichloroethene	50	53.5	107	70-130
156-59-2	cis-1,2-Dichloroethene	50	50.4	101	70-130
156-60-5	trans-1,2-Dichloroethene	50	52.3	105	70-130
78-87-5	1,2-Dichloropropane	50	52.8	106	70-130
142-28-9	1,3-Dichloropropane	50	50.0	100	70-130
594-20-7	2,2-Dichloropropane	50	47.3	95	70-130
563-58-6	1,1-Dichloropropene	50	56.0	112	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-BS1	N78295.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	43.7	87	70-130
10061-02-6	trans-1,3-Dichloropropene	50	43.8	88	70-130
123-91-1	1,4-Dioxane	250	226	90	70-130
97-63-2	Ethyl methacrylate	50	48.0	96	77-137
100-41-4	Ethylbenzene	50	50.9	102	70-130
87-68-3	Hexachlorobutadiene	50	52.2	104	70-130
591-78-6	2-Hexanone	50	43.9	88	70-130
98-82-8	Isopropylbenzene	50	55.3	111	70-130
99-87-6	p-Isopropyltoluene	50	56.5	113	70-130
1634-04-4	Methyl Tert Butyl Ether	50	41.2	82	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	48.5	97	70-130
74-95-3	Methylene bromide	50	53.4	107	70-130
75-09-2	Methylene chloride	50	50.1	100	70-130
91-20-3	Naphthalene	50	42.6	85	70-130
103-65-1	n-Propylbenzene	50	55.0	110	70-130
100-42-5	Styrene	50	47.8	96	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	48.3	97	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	50.1	100	70-130
127-18-4	Tetrachloroethene	50	53.1	106	70-130
108-88-3	Toluene	50	54.1	108	70-130
87-61-6	1,2,3-Trichlorobenzene	50	50.1	100	70-130
120-82-1	1,2,4-Trichlorobenzene	50	50.3	101	70-130
71-55-6	1,1,1-Trichloroethane	50	52.4	105	70-130
79-00-5	1,1,2-Trichloroethane	50	53.2	106	70-130
79-01-6	Trichloroethene	50	55.2	110	70-130
75-69-4	Trichlorofluoromethane	50	53.5	107	70-130
96-18-4	1,2,3-Trichloropropane	50	44.2	88	70-130
95-63-6	1,2,4-Trimethylbenzene	50	51.4	103	70-130
108-67-8	1,3,5-Trimethylbenzene	50	50.8	102	70-130
108-05-4	Vinyl Acetate	50	39.9	80	70-130
75-01-4	Vinyl chloride	50	41.1	82	70-130
	m,p-Xylene	100	105	105	70-130
95-47-6	o-Xylene	50	56.8	114	70-130
1330-20-7	Xylene (total)	150	162	108	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2937-BS1	N78295.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	103%	70-130%
460-00-4	4-Bromofluorobenzene	92%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2939-BS	N78295.D	1	07/17/13	JB	n/a	n/a	MSN2939
MSN2939-BSD	N78296.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	42.2	84	49.4	99	16	70-130/25
107-02-8	Acrolein	250	378	151* [a]	388	155* [a]	3	70-130/25
107-13-1	Acrylonitrile	50	48.0	96	48.5	97	1	70-130/25
71-43-2	Benzene	50	53.4	107	52.6	105	2	70-130/25
108-86-1	Bromobenzene	50	52.0	104	51.5	103	1	70-130/25
74-97-5	Bromochloromethane	50	52.5	105	52.0	104	1	70-130/25
75-27-4	Bromodichloromethane	50	56.2	112	55.5	111	1	70-130/25
75-25-2	Bromoform	50	42.9	86	44.0	88	3	70-130/25
74-83-9	Bromomethane	50	51.6	103	54.0	108	5	70-130/25
78-93-3	2-Butanone (MEK)	50	43.1	86	49.2	98	13	70-130/25
104-51-8	n-Butylbenzene	50	53.8	108	51.9	104	4	70-130/25
135-98-8	sec-Butylbenzene	50	57.1	114	55.9	112	2	70-130/25
98-06-6	tert-Butylbenzene	50	56.0	112	54.2	108	3	70-130/25
75-15-0	Carbon disulfide	50	51.4	103	51.0	102	1	70-130/25
56-23-5	Carbon tetrachloride	50	49.8	100	49.5	99	1	70-130/25
108-90-7	Chlorobenzene	50	53.3	107	53.7	107	1	70-130/25
75-00-3	Chloroethane	50	52.1	104	51.6	103	1	70-130/25
110-75-8	2-Chloroethyl vinyl ether	50	52.7	105	50.3	101	5	70-130/25
67-66-3	Chloroform	50	53.4	107	53.3	107	0	70-130/25
74-87-3	Chloromethane	50	54.4	109	55.5	111	2	70-130/25
95-49-8	o-Chlorotoluene	50	54.0	108	53.0	106	2	70-130/25
106-43-4	p-Chlorotoluene	50	56.9	114	55.3	111	3	70-130/25
124-48-1	Dibromochloromethane	50	46.3	93	46.4	93	0	70-130/25
95-50-1	1,2-Dichlorobenzene	50	57.6	115	55.5	111	4	70-130/25
541-73-1	1,3-Dichlorobenzene	50	54.3	109	52.6	105	3	70-130/25
106-46-7	1,4-Dichlorobenzene	50	54.6	109	52.5	105	4	70-130/25
75-71-8	Dichlorodifluoromethane	50	49.7	99	48.1	96	3	70-130/25
75-34-3	1,1-Dichloroethane	50	53.7	107	53.1	106	1	70-130/25
107-06-2	1,2-Dichloroethane	50	55.9	112	54.4	109	3	70-130/25
75-35-4	1,1-Dichloroethene	50	53.5	107	52.7	105	2	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	50.4	101	49.9	100	1	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	52.3	105	52.1	104	0	70-130/25
78-87-5	1,2-Dichloropropane	50	52.8	106	50.5	101	4	70-130/25
142-28-9	1,3-Dichloropropane	50	50.0	100	50.1	100	0	70-130/25
594-20-7	2,2-Dichloropropane	50	47.3	95	45.6	91	4	70-130/25
563-58-6	1,1-Dichloropropene	50	56.0	112	56.0	112	0	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2939-BS	N78295.D	1	07/17/13	JB	n/a	n/a	MSN2939
MSN2939-BSD	N78296.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: Method: SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	43.7	87	42.9	86	2	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	43.8	88	43.2	86	1	70-130/25
123-91-1	1,4-Dioxane	250	226	90	225	90	0	70-130/25
97-63-2	Ethyl methacrylate	50	48.0	96	47.3	95	1	77-137/25
100-41-4	Ethylbenzene	50	50.9	102	50.6	101	1	70-130/25
87-68-3	Hexachlorobutadiene	50	52.2	104	51.4	103	2	70-130/25
591-78-6	2-Hexanone	50	43.9	88	45.9	92	4	70-130/25
98-82-8	Isopropylbenzene	50	55.3	111	55.1	110	0	70-130/25
99-87-6	p-Isopropyltoluene	50	56.5	113	54.7	109	3	70-130/25
1634-04-4	Methyl Tert Butyl Ether	50	41.2	82	43.5	87	5	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	48.5	97	47.0	94	3	70-130/25
74-95-3	Methylene bromide	50	53.4	107	53.4	107	0	70-130/25
75-09-2	Methylene chloride	50	50.1	100	50.4	101	1	70-130/25
91-20-3	Naphthalene	50	42.6	85	43.1	86	1	70-130/25
103-65-1	n-Propylbenzene	50	55.0	110	54.6	109	1	70-130/25
100-42-5	Styrene	50	47.8	96	47.9	96	0	70-130/25
630-20-6	1,1,1,2-Tetrachloroethane	50	48.3	97	48.4	97	0	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	50.1	100	50.9	102	2	70-130/25
127-18-4	Tetrachloroethene	50	53.1	106	53.8	108	1	70-130/25
108-88-3	Toluene	50	54.1	108	54.0	108	0	70-130/25
87-61-6	1,2,3-Trichlorobenzene	50	50.1	100	49.3	99	2	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	50.3	101	51.9	104	3	70-130/25
71-55-6	1,1,1-Trichloroethane	50	52.4	105	51.8	104	1	70-130/25
79-00-5	1,1,2-Trichloroethane	50	53.2	106	53.3	107	0	70-130/25
79-01-6	Trichloroethene	50	55.2	110	53.3	107	4	70-130/25
75-69-4	Trichlorofluoromethane	50	53.5	107	51.4	103	4	70-130/25
96-18-4	1,2,3-Trichloropropane	50	44.2	88	45.3	91	2	70-130/25
95-63-6	1,2,4-Trimethylbenzene	50	51.4	103	50.6	101	2	70-130/25
108-67-8	1,3,5-Trimethylbenzene	50	50.8	102	50.1	100	1	70-130/25
108-05-4	Vinyl Acetate	50	39.9	80	39.7	79	1	70-130/25
75-01-4	Vinyl chloride	50	41.1	82	41.3	83	0	70-130/25
	m,p-Xylene	100	105	105	106	106	1	70-130/25
95-47-6	o-Xylene	50	56.8	114	56.2	112	1	70-130/25
1330-20-7	Xylene (total)	150	162	108	162	108	0	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2939-BS	N78295.D	1	07/17/13	JB	n/a	n/a	MSN2939
MSN2939-BSD	N78296.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	94%	94%	70-130%
2037-26-5	Toluene-D8	103%	101%	70-130%
460-00-4	4-Bromofluorobenzene	92%	94%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22534-6MS	N78265.D	1	07/16/13	JB	n/a	n/a	MSN2937
MC22534-6MSD	N78266.D	1	07/16/13	JB	n/a	n/a	MSN2937
MC22534-6	N78302.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-6, MC22534-7

CAS No.	Compound	MC22534-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	22.8	46* [a]	50	25.0	50* [a]	9	70-130/30
107-02-8	Acrolein	ND		250	322	129	250	329	132* [a]	2	70-130/30
107-13-1	Acrylonitrile	ND		50	41.8	84	50	44.4	89	6	70-130/30
71-43-2	Benzene	0.62		50	50.2	99	50	50.0	99	0	70-130/30
108-86-1	Bromobenzene	ND		50	49.1	98	50	49.3	99	0	70-130/30
74-97-5	Bromochloromethane	ND		50	49.0	98	50	50.9	102	4	70-130/30
75-27-4	Bromodichloromethane	ND		50	49.3	99	50	50.5	101	2	70-130/30
75-25-2	Bromoform	ND		50	40.8	82	50	42.7	85	5	70-130/30
74-83-9	Bromomethane	ND		50	35.3	71	50	47.6	95	30	70-130/30
78-93-3	2-Butanone (MEK)	ND		50	31.6	63* [a]	50	35.1	70	10	70-130/30
104-51-8	n-Butylbenzene	ND		50	50.0	100	50	50.2	100	0	70-130/30
135-98-8	sec-Butylbenzene	ND		50	52.6	105	50	53.2	106	1	70-130/30
98-06-6	tert-Butylbenzene	ND		50	51.0	102	50	51.0	102	0	70-130/30
75-15-0	Carbon disulfide	ND		50	47.0	94	50	48.1	96	2	70-130/30
56-23-5	Carbon tetrachloride	ND		50	48.6	97	50	47.8	96	2	70-130/30
108-90-7	Chlorobenzene	ND		50	50.6	101	50	51.0	102	1	70-130/30
75-00-3	Chloroethane	ND		50	48.5	97	50	50.0	100	3	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		50	47.3	95	50	47.5	95	0	70-130/30
67-66-3	Chloroform	ND		50	47.8	96	50	48.7	97	2	70-130/30
74-87-3	Chloromethane	ND		50	44.4	89	50	46.8	94	5	70-130/30
95-49-8	o-Chlorotoluene	ND		50	50.0	100	50	50.6	101	1	70-130/30
106-43-4	p-Chlorotoluene	ND		50	52.0	104	50	52.4	105	1	70-130/30
124-48-1	Dibromochloromethane	ND		50	42.9	86	50	44.8	90	4	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50	52.3	105	50	54.1	108	3	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50	50.5	101	50	51.1	102	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50	49.1	98	50	49.9	100	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50	43.6	87	50	44.4	89	2	70-130/30
75-34-3	1,1-Dichloroethane	ND		50	48.9	98	50	49.6	99	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		50	47.7	95	50	48.2	96	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		50	49.0	98	50	49.2	98	0	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50	47.4	95	50	47.7	95	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50	49.2	98	50	49.8	100	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		50	47.5	95	50	47.7	95	0	70-130/30
142-28-9	1,3-Dichloropropane	ND		50	46.7	93	50	47.8	96	2	70-130/30
594-20-7	2,2-Dichloropropane	ND		50	49.9	100	50	50.1	100	0	70-130/30
563-58-6	1,1-Dichloropropene	ND		50	52.0	104	50	51.5	103	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22534-6MS	N78265.D	1	07/16/13	JB	n/a	n/a	MSN2937
MC22534-6MSD	N78266.D	1	07/16/13	JB	n/a	n/a	MSN2937
MC22534-6	N78302.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-6, MC22534-7

CAS No.	Compound	MC22534-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		50	43.8	88	50	43.8	88	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50	44.9	90	50	45.9	92	2	70-130/30
123-91-1	1,4-Dioxane	ND		250	196	78	250	223	89	13	70-130/30
97-63-2	Ethyl methacrylate	ND		50	45.9	92	50	48.2	96	5	72-139/30
100-41-4	Ethylbenzene	ND		50	47.3	95	50	48.0	96	1	70-130/30
87-68-3	Hexachlorobutadiene	ND		50	45.2	90	50	45.9	92	2	70-130/30
591-78-6	2-Hexanone	ND		50	33.9	68* [a]	50	37.1	74	9	70-130/30
98-82-8	Isopropylbenzene	ND		50	52.4	105	50	52.1	104	1	70-130/30
99-87-6	p-Isopropyltoluene	ND		50	51.3	103	50	52.1	104	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		50	43.3	87	50	45.4	91	5	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	40.3	81	50	42.9	86	6	70-130/30
74-95-3	Methylene bromide	ND		50	46.6	93	50	47.3	95	1	70-130/30
75-09-2	Methylene chloride	ND		50	46.8	94	50	48.3	97	3	70-130/30
91-20-3	Naphthalene	ND		50	43.7	87	50	47.8	96	9	70-130/30
103-65-1	n-Propylbenzene	ND		50	51.6	103	50	52.2	104	1	70-130/30
100-42-5	Styrene	ND		50	45.2	90	50	46.2	92	2	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	44.8	90	50	46.6	93	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	46.9	94	50	48.7	97	4	70-130/30
127-18-4	Tetrachloroethene	ND		50	50.3	101	50	51.1	102	2	70-130/30
108-88-3	Toluene	ND		50	49.4	99	50	49.6	99	0	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		50	47.3	95	50	49.9	100	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50	48.6	97	50	51.2	102	5	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50	47.6	95	50	48.2	96	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50	48.2	96	50	49.8	100	3	70-130/30
79-01-6	Trichloroethene	ND		50	47.8	96	50	48.4	97	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		50	45.5	91	50	46.1	92	1	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		50	44.4	89	50	46.7	93	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		50	47.2	94	50	48.0	96	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		50	47.1	94	50	47.2	94	0	70-130/30
108-05-4	Vinyl Acetate	ND		50	33.9	68* [a]	50	35.3	71	4	70-130/30
75-01-4	Vinyl chloride	ND		50	38.2	76	50	39.5	79	3	70-130/30
	m,p-Xylene	ND		100	100	100	100	101	101	1	70-130/30
95-47-6	o-Xylene	ND		50	53.3	107	50	53.4	107	0	70-130/30
1330-20-7	Xylene (total)	ND		150	153	102	150	155	103	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22534-6MS	N78265.D	1	07/16/13	JB	n/a	n/a	MSN2937
MC22534-6MSD	N78266.D	1	07/16/13	JB	n/a	n/a	MSN2937
MC22534-6	N78302.D	1	07/17/13	JB	n/a	n/a	MSN2937

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-2, MC22534-6, MC22534-7

CAS No.	Surrogate Recoveries	MS	MSD	MC22534-6	Limits
1868-53-7	Dibromofluoromethane	91%	91%	95%	70-130%
2037-26-5	Toluene-D8	100%	99%	101%	70-130%
460-00-4	4-Bromofluorobenzene	94%	94%	105%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22559-1MS	N78318.D	5	07/17/13	JB	n/a	n/a	MSN2939
MC22559-1MSD	N78319.D	5	07/17/13	JB	n/a	n/a	MSN2939
MC22559-1	N78301.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Compound	MC22559-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	144	58* a	250	140	56* a	3	70-130/30
107-02-8	Acrolein	ND		1250	1770	142* a	1250	1710	137* a	3	70-130/30
107-13-1	Acrylonitrile	ND		250	246	98	250	243	97	1	70-130/30
71-43-2	Benzene	ND		250	262	105	250	262	105	0	70-130/30
108-86-1	Bromobenzene	ND		250	255	102	250	254	102	0	70-130/30
74-97-5	Bromochloromethane	ND		250	261	104	250	260	104	0	70-130/30
75-27-4	Bromodichloromethane	ND		250	280	112	250	282	113	1	70-130/30
75-25-2	Bromoform	ND		250	214	86	250	216	86	1	70-130/30
74-83-9	Bromomethane	ND		250	277	111	250	304	122	9	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	163	65* a	250	172	69* a	5	70-130/30
104-51-8	n-Butylbenzene	ND		250	238	95	250	241	96	1	70-130/30
135-98-8	sec-Butylbenzene	ND		250	279	112	250	277	111	1	70-130/30
98-06-6	tert-Butylbenzene	ND		250	277	111	250	274	110	1	70-130/30
75-15-0	Carbon disulfide	ND		250	247	99	250	241	96	2	70-130/30
56-23-5	Carbon tetrachloride	ND		250	253	101	250	263	105	4	70-130/30
108-90-7	Chlorobenzene	ND		250	265	106	250	262	105	1	70-130/30
75-00-3	Chloroethane	ND		250	248	99	250	241	96	3	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		250	254	102	250	254	102	0	70-130/30
67-66-3	Chloroform	9.1		250	281	109	250	273	106	3	70-130/30
74-87-3	Chloromethane	ND		250	263	105	250	273	109	4	70-130/30
95-49-8	o-Chlorotoluene	ND		250	264	106	250	262	105	1	70-130/30
106-43-4	p-Chlorotoluene	ND		250	277	111	250	276	110	0	70-130/30
124-48-1	Dibromochloromethane	ND		250	227	91	250	226	90	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	273	109	250	274	110	0	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	261	104	250	264	106	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	256	102	250	255	102	0	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	230	92	250	221	88	4	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	269	108	250	264	106	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	281	112	250	274	110	3	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	264	106	250	252	101	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	253	101	250	248	99	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	265	106	250	258	103	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	254	102	250	255	102	0	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	245	98	250	246	98	0	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	202	81	250	212	85	5	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	280	112	250	276	110	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22559-1MS	N78318.D	5	07/17/13	JB	n/a	n/a	MSN2939
MC22559-1MSD	N78319.D	5	07/17/13	JB	n/a	n/a	MSN2939
MC22559-1	N78301.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Compound	MC22559-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		250	203	81	250	208	83	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	204	82	250	208	83	2	70-130/30
123-91-1	1,4-Dioxane	ND		1250	1060	85	1250	1050	84	1	70-130/30
97-63-2	Ethyl methacrylate	ND		250	222	89	250	224	90	1	72-139/30
100-41-4	Ethylbenzene	ND		250	252	101	250	248	99	2	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	238	95	250	248	99	4	70-130/30
591-78-6	2-Hexanone	ND		250	180	72	250	183	73	2	70-130/30
98-82-8	Isopropylbenzene	ND		250	277	111	250	273	109	1	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	269	108	250	266	106	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	215	86	250	222	89	3	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	231	92	250	233	93	1	70-130/30
74-95-3	Methylene bromide	ND		250	261	104	250	264	106	1	70-130/30
75-09-2	Methylene chloride	ND		250	256	102	250	250	100	2	70-130/30
91-20-3	Naphthalene	ND		250	174	70	250	191	76	9	70-130/30
103-65-1	n-Propylbenzene	ND		250	273	109	250	267	107	2	70-130/30
100-42-5	Styrene	ND		250	234	94	250	231	92	1	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	242	97	250	239	96	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	248	99	250	242	97	2	70-130/30
127-18-4	Tetrachloroethene	ND		250	267	107	250	260	104	3	70-130/30
108-88-3	Toluene	ND		250	284	114	250	284	114	0	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	211	84	250	230	92	9	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	220	88	250	228	91	4	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	258	103	250	263	105	2	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	260	104	250	258	103	1	70-130/30
79-01-6	Trichloroethene	ND		250	264	106	250	265	106	0	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	259	104	250	253	101	2	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	217	87	250	211	84	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	249	100	250	248	99	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	251	100	250	247	99	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	197	79	250	188	75	5	70-130/30
75-01-4	Vinyl chloride	ND		250	200	80	250	195	78	3	70-130/30
	m,p-Xylene	ND		500	524	105	500	527	105	1	70-130/30
95-47-6	o-Xylene	ND		250	279	112	250	276	110	1	70-130/30
1330-20-7	Xylene (total)	ND		750	803	107	750	803	107	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22559-1MS	N78318.D	5	07/17/13	JB	n/a	n/a	MSN2939
MC22559-1MSD	N78319.D	5	07/17/13	JB	n/a	n/a	MSN2939
MC22559-1	N78301.D	1	07/17/13	JB	n/a	n/a	MSN2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22534-1, MC22534-3, MC22534-4, MC22534-5

CAS No.	Surrogate Recoveries	MS	MSD	MC22559-1	Limits
1868-53-7	Dibromofluoromethane	95%	93%	96%	70-130%
2037-26-5	Toluene-D8	102%	101%	99%	70-130%
460-00-4	4-Bromofluorobenzene	96%	94%	103%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSN2937-CC2927	**Injection Date:**	07/16/13
Lab File ID:	N78243.D	**Injection Time:**	03:58
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	176762	9.01	278666	9.88	149277	13.13	135227	15.69	70792	6.56
Upper Limit [a]	353524	9.51	557332	10.38	298554	13.63	270454	16.19	141584	7.06
Lower Limit [b]	88381	8.51	139333	9.38	74639	12.63	67614	15.19	35396	6.06

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN2937-BS	177347	9.01	272845	9.87	145758	13.13	135569	15.69	68526	6.57
MSN2937-MB	187441	9.01	280929	9.88	142350	13.13	122082	15.69	71806	6.58
ZZZZZZ	178484	9.01	277711	9.87	140119	13.13	122929	15.69	67591	6.57
ZZZZZZ	178730	9.01	279365	9.88	139796	13.13	119026	15.69	67258	6.57
ZZZZZZ	177578	9.01	272821	9.88	139608	13.13	116507	15.69	71673	6.57
ZZZZZZ	181156	9.01	279952	9.88	143535	13.13	119088	15.69	71518	6.57
ZZZZZZ	178088	9.01	272065	9.88	138239	13.13	116196	15.69	68294	6.58
ZZZZZZ	175160	9.01	272604	9.88	139499	13.13	116943	15.69	66184	6.58
ZZZZZZ	175413	9.01	264509	9.88	137043	13.13	114226	15.69	65714	6.58
MC22534-7	173972	9.01	267936	9.87	135385	13.13	114522	15.69	63482	6.58
MC22534-2	177988	9.01	271492	9.88	138954	13.13	115737	15.69	67015	6.58
ZZZZZZ	176750	9.01	270113	9.88	138031	13.13	113912	15.69	66779	6.57
ZZZZZZ	173501	9.01	266651	9.88	151324	13.13	139653	15.69	85801	6.56
ZZZZZZ	215334	9.01	327559	9.87	166069	13.13	168815	15.69	95444	6.56
MC22534-6MS	222326	9.01	344582	9.88	182382	13.13	157042	15.69	77294	6.57
MC22534-6MSD	216725	9.01	342118	9.87	179107	13.13	156004	15.69	88224	6.57

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSN2939-CC2927	**Injection Date:**	07/17/13
Lab File ID:	N78294.D	**Injection Time:**	08:17
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	145057	9.01	228316	9.88	124617	13.13	108642	15.69	68668	6.56
Upper Limit [a]	290114	9.51	456632	10.38	249234	13.63	217284	16.19	137336	7.06
Lower Limit [b]	72529	8.51	114158	9.38	62309	12.63	54321	15.19	34334	6.06

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN2937-BS1	174076	9.01	266327	9.88	146503	13.13	127714	15.69	70275	6.57
MSN2939-BS	174076	9.01	266327	9.88	146503	13.13	127714	15.69	70275	6.57
MSN2939-BSD	182577	9.01	284110	9.87	152743	13.13	132142	15.69	74802	6.57
MSN2937-MB1	162220	9.01	254521	9.88	127646	13.13	99734	15.69	62973	6.58
MSN2939-MB	162220	9.01	254521	9.88	127646	13.13	99734	15.69	62973	6.58
ZZZZZZ	173587	9.01	266472	9.88	136158	13.13	112836	15.69	62564	6.58
ZZZZZZ	180942	9.01	271354	9.88	137014	13.13	111260	15.69	71713	6.58
MC22559-1	169389	9.01	267462	9.88	137067	13.13	109657	15.69	69290	6.58
MC22534-6	151773	9.01	232478	9.88	117960	13.13	92592	15.69	64349	6.58
MC22534-1	171908	9.01	267874	9.88	136528	13.13	108624	15.69	66583	6.57
MC22534-3	168247	9.01	257796	9.88	127761	13.13	103688	15.69	65739	6.58
MC22534-4	169469	9.01	256044	9.88	131275	13.13	105961	15.69	65244	6.58
MC22534-5	165683	9.01	252866	9.88	130880	13.13	103583	15.69	65531	6.58
ZZZZZZ	169885	9.01	261944	9.87	133060	13.13	108399	15.69	66594	6.58
ZZZZZZ	164255	9.01	253282	9.88	130708	13.13	105979	15.69	64027	6.57
ZZZZZZ	169296	9.01	258112	9.88	132598	13.13	100533	15.69	68087	6.58
ZZZZZZ	145000	9.01	221376	9.88	115016	13.13	87805	15.69	61278	6.59
ZZZZZZ	168124	9.01	257100	9.88	129421	13.13	100582	15.69	60490	6.59
ZZZZZZ	165941	9.01	254996	9.88	127686	13.13	100903	15.69	57137	6.58
ZZZZZZ	164210	9.01	257299	9.88	129905	13.13	99449	15.69	65859	6.58
ZZZZZZ	144863	9.01	224823	9.87	114460	13.13	90889	15.69	57253	6.58
ZZZZZZ	164818	9.01	253305	9.88	129671	13.13	98754	15.69	64615	6.59
ZZZZZZ	160500	9.01	249776	9.88	128150	13.13	96304	15.69	65587	6.58
ZZZZZZ	159965	9.01	246780	9.87	127554	13.13	109602	15.69	69234	6.57
MC22559-1MS	165242	9.01	259384	9.88	141937	13.13	121819	15.69	68958	6.57
MC22559-1MSD	171746	9.01	265180	9.88	143819	13.13	124629	15.69	67315	6.57

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22534-1	N78303.D	93	99	101
MC22534-2	N78256.D	90	102	98
MC22534-3	N78304.D	93	99	102
MC22534-4	N78305.D	93	101	101
MC22534-5	N78306.D	94	102	104
MC22534-6	N78302.D	95	101	105
MC22534-7	N78255.D	92	102	97
MC22534-6MS	N78265.D	91	100	94
MC22534-6MSD	N78266.D	91	99	94
MC22559-1MS	N78318.D	95	102	96
MC22559-1MSD	N78319.D	93	101	94
MSN2937-BS	N78244.D	92	101	92
MSN2937-BS1	N78295.D	94	103	92
MSN2937-MB	N78247.D	91	101	95
MSN2937-MB1	N78298.D	94	99	101
MSN2939-BS	N78295.D	94	103	92
MSN2939-BSD	N78296.D	94	101	94
MSN2939-MB	N78298.D	94	99	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33941-MB	R32146.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.64	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.20	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.85	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.57	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.92	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.23	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.13	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.65	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.68	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.50	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.39	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	0.43	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	0.50	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.50	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.0	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.30	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33941-MB	R32146.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	Result	RL	MDL	Units	Q
77-47-4	Hexachlorocyclopentadiene	ND	10	2.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.44	ug/l	
78-59-1	Isophorone	ND	5.0	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.3	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.81	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.54	ug/l	
110-86-1	Pyridine	ND	10	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	15-110%
4165-62-2	Phenol-d5	32%	15-110%
118-79-6	2,4,6-Tribromophenol	91%	15-110%
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	85%	30-130%
1718-51-0	Terphenyl-d14	97%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-MB	R32331.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-3

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	15-110%
4165-62-2	Phenol-d5	18%	15-110%
118-79-6	2,4,6-Tribromophenol	73%	15-110%
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	77%	30-130%
1718-51-0	Terphenyl-d14	77%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33942-MB	I84754A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.065	0.10	0.014	ug/l	J
208-96-8	Acenaphthylene	0.026	0.10	0.013	ug/l	J
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	0.030	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.017	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.059	ug/l	
218-01-9	Chrysene	ND	0.10	0.073	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.042	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.033	ug/l	
86-73-7	Fluorene	0.50	0.10	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.046	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	0.087	0.20	0.052	ug/l	J
85-01-8	Phenanthrene	0.027	0.050	0.013	ug/l	J
129-00-0	Pyrene	ND	0.10	0.036	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	51%	15-110%
4165-62-2	Phenol-d5	33%	15-110%
118-79-6	2,4,6-Tribromophenol	86%	15-110%
4165-60-0	Nitrobenzene-d5	89%	30-130%
321-60-8	2-Fluorobiphenyl	89%	30-130%
1718-51-0	Terphenyl-d14	105%	30-130%

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33941-BS	R32147.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	21.8	44	30-130
95-57-8	2-Chlorophenol	50	41.1	82	30-130
59-50-7	4-Chloro-3-methyl phenol	50	44.4	89	30-130
120-83-2	2,4-Dichlorophenol	50	47.5	95	30-130
105-67-9	2,4-Dimethylphenol	50	42.3	85	30-130
51-28-5	2,4-Dinitrophenol	50	48.0	96	30-130
534-52-1	4,6-Dinitro-o-cresol	50	49.9	100	30-130
95-48-7	2-Methylphenol	50	36.8	74	30-130
	3&4-Methylphenol	100	67.4	67	30-130
88-75-5	2-Nitrophenol	50	48.7	97	30-130
100-02-7	4-Nitrophenol	50	18.2	36	30-130
87-86-5	Pentachlorophenol	50	46.8	94	30-130
108-95-2	Phenol	50	18.9	38	30-130
95-95-4	2,4,5-Trichlorophenol	50	50.9	102	30-130
88-06-2	2,4,6-Trichlorophenol	50	49.6	99	30-130
62-53-3	Aniline	50	36.0	72	40-140
101-55-3	4-Bromophenyl phenyl ether	50	51.4	103	40-140
85-68-7	Butyl benzyl phthalate	50	52.0	104	40-140
100-51-6	Benzyl Alcohol	50	37.2	74	40-140
91-58-7	2-Chloronaphthalene	50	43.2	86	40-140
106-47-8	4-Chloroaniline	50	46.4	93	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	48.2	96	40-140
111-44-4	bis(2-Chloroethyl)ether	50	44.8	90	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	47.4	95	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	51.9	104	40-140
122-66-7	1,2-Diphenylhydrazine	50	46.2	92	40-140
121-14-2	2,4-Dinitrotoluene	50	56.2	112	40-140
606-20-2	2,6-Dinitrotoluene	50	53.8	108	40-140
91-94-1	3,3'-Dichlorobenzidine	50	45.9	92	40-140
132-64-9	Dibenzofuran	50	48.3	97	40-140
84-74-2	Di-n-butyl phthalate	50	51.5	103	40-140
117-84-0	Di-n-octyl phthalate	50	56.8	114	40-140
84-66-2	Diethyl phthalate	50	43.9	88	40-140
131-11-3	Dimethyl phthalate	50	25.9	52	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	52.1	104	40-140
118-74-1	Hexachlorobenzene	50	51.2	102	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33941-BS	R32147.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
77-47-4	Hexachlorocyclopentadiene	50	13.4	27* [a]	40-140
67-72-1	Hexachloroethane	50	19.7	39* [a]	40-140
78-59-1	Isophorone	50	47.0	94	40-140
88-74-4	2-Nitroaniline	50	58.2	116	40-140
99-09-2	3-Nitroaniline	50	52.9	106	40-140
100-01-6	4-Nitroaniline	50	55.3	111	40-140
98-95-3	Nitrobenzene	50	43.8	88	40-140
62-75-9	n-Nitrosodimethylamine	50	26.4	53	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	46.6	93	40-140
86-30-6	N-Nitrosodiphenylamine	50	50.1	100	40-140
110-86-1	Pyridine	50	22.6	45	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	15-110%
4165-62-2	Phenol-d5	35%	15-110%
118-79-6	2,4,6-Tribromophenol	99%	15-110%
4165-60-0	Nitrobenzene-d5	90%	30-130%
321-60-8	2-Fluorobiphenyl	96%	30-130%
1718-51-0	Terphenyl-d14	104%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-BS	R32332.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	20.7	41	30-130
95-57-8	2-Chlorophenol	50	42.4	85	30-130
59-50-7	4-Chloro-3-methyl phenol	50	43.2	86	30-130
120-83-2	2,4-Dichlorophenol	50	42.4	85	30-130
105-67-9	2,4-Dimethylphenol	50	39.3	79	30-130
51-28-5	2,4-Dinitrophenol	50	41.1	82	30-130
534-52-1	4,6-Dinitro-o-cresol	50	45.1	90	30-130
95-48-7	2-Methylphenol	50	39.3	79	30-130
	3&4-Methylphenol	100	72.2	72	30-130
88-75-5	2-Nitrophenol	50	44.1	88	30-130
100-02-7	4-Nitrophenol	50	18.0	36	30-130
87-86-5	Pentachlorophenol	50	43.7	87	30-130
108-95-2	Phenol	50	19.6	39	30-130
95-95-4	2,4,5-Trichlorophenol	50	46.9	94	30-130
88-06-2	2,4,6-Trichlorophenol	50	45.7	91	30-130

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	57%	15-110%
4165-62-2	Phenol-d5	21%	15-110%
118-79-6	2,4,6-Tribromophenol	93%	15-110%
4165-60-0	Nitrobenzene-d5	76%	30-130%
321-60-8	2-Fluorobiphenyl	87%	30-130%
1718-51-0	Terphenyl-d14	80%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33942-BS	I84755A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	48.9	98	40-140
208-96-8	Acenaphthylene	50	41.1	82	40-140
120-12-7	Anthracene	50	50.0	100	40-140
56-55-3	Benzo(a)anthracene	50	63.9	128	40-140
50-32-8	Benzo(a)pyrene	50	52.1	104	40-140
205-99-2	Benzo(b)fluoranthene	50	56.0	112	40-140
191-24-2	Benzo(g,h,i)perylene	50	54.4	109	40-140
207-08-9	Benzo(k)fluoranthene	50	58.4	117	40-140
218-01-9	Chrysene	50	59.3	119	40-140
53-70-3	Dibenzo(a,h)anthracene	50	57.7	115	40-140
206-44-0	Fluoranthene	50	57.6	115	40-140
86-73-7	Fluorene	50	52.8	106	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	56.9	114	40-140
90-12-0	1-Methylnaphthalene	50	42.3	85	40-140
91-57-6	2-Methylnaphthalene	50	57.2	114	40-140
85-01-8	Phenanthrene	50	53.5	107	40-140
129-00-0	Pyrene	50	55.3	111	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	58%	15-110%
4165-62-2	Phenol-d5	35%	15-110%
118-79-6	2,4,6-Tribromophenol	97%	15-110%
4165-60-0	Nitrobenzene-d5	99%	30-130%
321-60-8	2-Fluorobiphenyl	96%	30-130%
1718-51-0	Terphenyl-d14	111%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33941-MS	R32152.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
OP33941-MSD	R32153.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
MC22534-6	R32154.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173

The QC reported here applies to the following samples: Method: SW846 8270C

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	MC22534-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		55.6	24.8	45	55.6	24.5	44	1	30-130/20
95-57-8	2-Chlorophenol	ND		55.6	45.4	82	55.6	43.5	78	4	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		55.6	48.1	87	55.6	48.0	86	0	30-130/20
120-83-2	2,4-Dichlorophenol	ND		55.6	49.7	89	55.6	48.3	87	3	30-130/20
105-67-9	2,4-Dimethylphenol	ND		55.6	44.4	80	55.6	45.7	82	3	30-130/20
51-28-5	2,4-Dinitrophenol	ND		55.6	52.0	94	55.6	54.4	98	5	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		55.6	53.4	96	55.6	53.9	97	1	30-130/20
95-48-7	2-Methylphenol	ND		55.6	42.3	76	55.6	43.4	78	3	30-130/20
	3&4-Methylphenol	ND		111	79.1	71	111	77.3	70	2	30-130/20
88-75-5	2-Nitrophenol	ND		55.6	51.8	93	55.6	50.9	92	2	30-130/20
100-02-7	4-Nitrophenol	ND		55.6	21.1	38	55.6	21.9	39	4	30-130/20
87-86-5	Pentachlorophenol	ND		55.6	51.9	93	55.6	52.2	94	1	30-130/20
108-95-2	Phenol	ND		55.6	21.8	39	55.6	22.1	40	1	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		55.6	54.6	98	55.6	55.1	99	1	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		55.6	51.7	93	55.6	53.5	96	3	30-130/20
62-53-3	Aniline	ND		55.6	36.8	66	55.6	37.1	67	1	40-140/20
101-55-3	4-Bromophenyl phenyl ether	ND		55.6	55.1	99	55.6	57.6	104	4	40-140/20
85-68-7	Butyl benzyl phthalate	ND		55.6	56.7	102	55.6	57.8	104	2	40-140/20
100-51-6	Benzyl Alcohol	ND		55.6	36.5	66	55.6	35.7	64	2	40-140/20
91-58-7	2-Chloronaphthalene	ND		55.6	50.3	91	55.6	50.1	90	0	40-140/20
106-47-8	4-Chloroaniline	ND		55.6	46.7	84	55.6	47.4	85	1	40-140/20
111-91-1	bis(2-Chloroethoxy)methane	ND		55.6	49.8	90	55.6	50.1	90	1	40-140/20
111-44-4	bis(2-Chloroethyl)ether	ND		55.6	47.5	86	55.6	47.0	85	1	40-140/20
108-60-1	bis(2-Chloroisopropyl)ether	ND		55.6	50.8	91	55.6	49.1	88	3	40-140/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		55.6	57.1	103	55.6	59.2	107	4	40-140/20
122-66-7	1,2-Diphenylhydrazine	ND		55.6	49.4	89	55.6	50.5	91	2	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		55.6	57.6	104	55.6	61.0	110	6	40-140/20
606-20-2	2,6-Dinitrotoluene	ND		55.6	56.8	102	55.6	59.6	107	5	40-140/20
91-94-1	3,3'-Dichlorobenzidine	ND		55.6	45.8	82	55.6	47.9	86	4	40-140/20
132-64-9	Dibenzofuran	ND		55.6	52.9	95	55.6	54.0	97	2	40-140/20
84-74-2	Di-n-butyl phthalate	ND		55.6	55.8	100	55.6	57.2	103	2	40-140/20
117-84-0	Di-n-octyl phthalate	ND		55.6	59.5	107	55.6	61.7	111	4	40-140/20
84-66-2	Diethyl phthalate	ND		55.6	56.4	102	55.6	59.4	107	5	40-140/20
131-11-3	Dimethyl phthalate	ND		55.6	55.6	100	55.6	57.6	104	4	40-140/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		55.6	55.2	99	55.6	57.3	103	4	40-140/20
118-74-1	Hexachlorobenzene	ND		55.6	54.7	98	55.6	55.6	100	2	40-140/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33941-MS	R32152.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
OP33941-MSD	R32153.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173
MC22534-6	R32154.D	1	07/12/13	KR	07/09/13	OP33941	MSR1173

The QC reported here applies to the following samples: Method: SW846 8270C

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	MC22534-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
77-47-4	Hexachlorocyclopentadiene	ND		55.6	20.6	37* [a]	55.6	19.1	34* [a]	8	40-140/20
67-72-1	Hexachloroethane	ND		55.6	27.3	49	55.6	21.5	39* [a]	24* [a]	40-140/20
78-59-1	Isophorone	ND		55.6	48.9	88	55.6	48.8	88	0	40-140/20
88-74-4	2-Nitroaniline	ND		55.6	61.2	110	55.6	64.6	116	5	40-140/20
99-09-2	3-Nitroaniline	ND		55.6	53.1	96	55.6	56.6	102	6	40-140/20
100-01-6	4-Nitroaniline	ND		55.6	57.2	103	55.6	60.5	109	6	40-140/20
98-95-3	Nitrobenzene	ND		55.6	45.9	83	55.6	45.6	82	1	40-140/20
62-75-9	n-Nitrosodimethylamine	ND		55.6	28.9	52	55.6	29.5	53	2	40-140/20
621-64-7	N-Nitroso-di-n-propylamine	ND		55.6	48.1	87	55.6	47.6	86	1	40-140/20
86-30-6	N-Nitrosodiphenylamine	ND		55.6	52.8	95	55.6	54.8	99	4	40-140/20
110-86-1	Pyridine	ND		55.6	22.9	41	55.6	23.3	42	2	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22534-6	Limits
367-12-4	2-Fluorophenol	52%	52%	54%	15-110%
4165-62-2	Phenol-d5	39%	38%	49%	15-110%
118-79-6	2,4,6-Tribromophenol	96%	95%	93%	15-110%
4165-60-0	Nitrobenzene-d5	84%	85%	83%	30-130%
321-60-8	2-Fluorobiphenyl	92%	94%	96%	30-130%
1718-51-0	Terphenyl-d14	98%	101%	98%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-MS	R32333.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179
OP34082-MSD	R32334.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179
MC22900-3	R32335.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22534-3

CAS No.	Compound	MC22900-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		50	22.6	45	50	21.9	44	3	30-130/20
95-57-8	2-Chlorophenol	ND		50	43.8	88	50	41.4	83	6	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		50	45.7	91	50	43.7	87	4	30-130/20
120-83-2	2,4-Dichlorophenol	ND		50	45.6	91	50	43.8	88	4	30-130/20
105-67-9	2,4-Dimethylphenol	ND		50	41.5	83	50	39.1	78	6	30-130/20
51-28-5	2,4-Dinitrophenol	ND		50	44.6	89	50	43.4	87	3	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		50	46.9	94	50	45.8	92	2	30-130/20
95-48-7	2-Methylphenol	ND		50	40.3	81	50	39.1	78	3	30-130/20
	3&4-Methylphenol	ND		100	74.8	75	100	73.0	73	2	30-130/20
88-75-5	2-Nitrophenol	ND		50	46.2	92	50	44.3	89	4	30-130/20
100-02-7	4-Nitrophenol	ND		50	20.0	40	50	19.0	38	5	30-130/20
87-86-5	Pentachlorophenol	ND		50	46.7	93	50	43.9	88	6	30-130/20
108-95-2	Phenol	ND		50	20.2	40	50	19.3	39	5	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		50	49.8	100	50	48.4	97	3	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		50	48.2	96	50	46.7	93	3	30-130/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-3	Limits
367-12-4	2-Fluorophenol	57%	54%	55%	15-110%
4165-62-2	Phenol-d5	21%	21%	20%	15-110%
118-79-6	2,4,6-Tribromophenol	92%	89%	83%	15-110%
4165-60-0	Nitrobenzene-d5	80%	79%	74%	30-130%
321-60-8	2-Fluorobiphenyl	91%	92%	87%	30-130%
1718-51-0	Terphenyl-d14	81%	82%	85%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33942-MS	I84758A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
OP33942-MSD	I84759A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152
MC22534-6	I84760A.D	1	07/12/13	WK	07/09/13	OP33942	MSI3152

The QC reported here applies to the following samples: Method: SW846 8270C BY SIM

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6

CAS No.	Compound	MC22534-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		55.6	53.3	96	55.6	53.3	96	0	40-140/20
208-96-8	Acenaphthylene	ND		55.6	44.4	80	55.6	44.0	79	1	40-140/20
120-12-7	Anthracene	ND		55.6	53.3	96	55.6	55.2	99	4	40-140/20
56-55-3	Benzo(a)anthracene	ND		55.6	67.2	121	55.6	70.7	127	5	40-140/20
50-32-8	Benzo(a)pyrene	ND		55.6	53.8	97	55.6	56.7	102	5	40-140/20
205-99-2	Benzo(b)fluoranthene	ND		55.6	60.4	109	55.6	65.8	118	9	40-140/20
191-24-2	Benzo(g,h,i)perylene	ND		55.6	55.8	100	55.6	59.0	106	6	40-140/20
207-08-9	Benzo(k)fluoranthene	ND		55.6	59.9	108	55.6	60.4	109	1	40-140/20
218-01-9	Chrysene	ND		55.6	62.5	112	55.6	66.0	119	5	40-140/20
53-70-3	Dibenzo(a,h)anthracene	ND		55.6	59.1	106	55.6	62.0	112	5	40-140/20
206-44-0	Fluoranthene	ND		55.6	60.3	109	55.6	62.9	113	4	40-140/20
86-73-7	Fluorene	ND		55.6	57.1	103	55.6	58.1	105	2	40-140/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		55.6	57.9	104	55.6	61.3	110	6	40-140/20
90-12-0	1-Methylnaphthalene	ND		55.6	48.0	86	55.6	46.0	83	4	40-140/20
91-57-6	2-Methylnaphthalene	ND		55.6	64.4	116	55.6	62.4	112	3	40-140/20
85-01-8	Phenanthrene	0.018	JB	55.6	55.5	100	55.6	56.7	102	2	40-140/20
129-00-0	Pyrene	ND		55.6	57.9	104	55.6	60.3	109	4	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22534-6	Limits
367-12-4	2-Fluorophenol	55%	56%		15-110%
4165-62-2	Phenol-d5	37%	37%		15-110%
118-79-6	2,4,6-Tribromophenol	91%	92%		15-110%
4165-60-0	Nitrobenzene-d5	93%	95%	93%	30-130%
321-60-8	2-Fluorobiphenyl	94%	92%	98%	30-130%
1718-51-0	Terphenyl-d14	106%	112%	104%	30-130%

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSI3152-CC3096	**Injection Date:**	07/12/13
Lab File ID:	I84747.D	**Injection Time:**	08:19
Instrument ID:	GCMSI	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	160769	2.95	404065	3.92	236061	5.30	433349	6.49	388210	9.13	705621	10.53
Upper Limit [a]	321538	3.45	808130	4.42	472122	5.80	866698	6.99	776420	9.63	1411242	11.03
Lower Limit [b]	80385	2.45	202033	3.42	118031	4.80	216675	5.99	194105	8.63	352811	10.03
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP33953-MB	138804	2.96	353617	3.92	201736	5.30	370160	6.49	325578	9.13	600801	10.52
ZZZZZZ	159571	2.96	410358	3.92	230671	5.30	411664	6.48	371136	9.13	672284	10.52
ZZZZZZ	137024	2.96	348303	3.92	202069	5.30	367414	6.49	328450	9.12	594616	10.52
ZZZZZZ	148945	2.96	378162	3.92	215816	5.30	391578	6.49	349653	9.13	639204	10.52
ZZZZZZ	145564	2.96	367860	3.92	214103	5.30	383227	6.49	348792	9.12	628856	10.52
ZZZZZZ	137936	2.96	354284	3.92	203012	5.30	365674	6.49	326953	9.13	601372	10.52
OP33942-MB	150294	2.95	382046	3.92	217857	5.30	391488	6.49	354336	9.13	661162	10.52
OP33942-BS	141570	2.95	363614	3.92	211098	5.30	380950	6.49	343335	9.13	629719	10.53
ZZZZZZ	130135	2.95	334762	3.92	192292	5.30	352422	6.49	317818	9.12	585137	10.52
ZZZZZZ	123163	2.95	315839	3.92	181251	5.30	330480	6.49	304537	9.12	561813	10.52
OP33942-MS	131484	2.95	336330	3.92	191583	5.30	347163	6.49	313207	9.13	564843	10.52
OP33942-MSD	136279	2.95	349284	3.92	199925	5.30	365662	6.49	335217	9.13	602715	10.53
MC22534-6	136666	2.95	349978	3.92	197343	5.30	355355	6.49	317991	9.13	594323	10.52
MC22534-1	161737	2.95	413063	3.92	237904	5.30	428486	6.49	386742	9.13	703148	10.53
MC22534-2	135553	2.95	339947	3.92	191149	5.30	337515	6.49	311390	9.13	569434	10.52
MC22534-3	141246	2.95	360945	3.92	206460	5.30	374025	6.48	340479	9.12	622997	10.52
MC22534-4	140394	2.95	359377	3.92	208373	5.30	372219	6.48	336344	9.13	614506	10.52
MC22534-5	133602	2.95	342866	3.92	196776	5.30	363090	6.49	327081	9.13	597009	10.52
ZZZZZZ	131515	2.95	343265	3.92	195825	5.30	355216	6.49	326223	9.13	592053	10.52
ZZZZZZ	131498	2.95	340366	3.92	194417	5.30	359167	6.49	324630	9.13	601980	10.52
ZZZZZZ	124835	2.95	320143	3.92	184740	5.30	339733	6.49	310860	9.13	583406	10.53
ZZZZZZ	135371	2.95	349667	3.92	201856	5.30	364241	6.48	334666	9.13	614540	10.52
ZZZZZZ	118375	2.95	307495	3.92	174665	5.30	320380	6.49	300127	9.13	564845	10.53
ZZZZZZ	125404	2.95	326601	3.92	186493	5.30	332963	6.49	311366	9.13	588102	10.53

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1173-CC1159	**Injection Date:**	07/12/13
Lab File ID:	R32145.D	**Injection Time:**	07:40
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	74370	4.37	275712	5.42	172561	6.97	306570	8.39	334149	11.38	310767	12.98
Upper Limit [a]	148740	4.87	551424	5.92	345122	7.47	613140	8.89	668298	11.88	621534	13.48
Lower Limit [b]	37185	3.87	137856	4.92	86281	6.47	153285	7.89	167075	10.88	155384	12.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP33941-MB	81437	4.37	301571	5.42	183920	6.96	325983	8.38	362209	11.38	347476	12.98
OP33941-BS	79153	4.37	285823	5.42	177077	6.96	318295	8.39	350935	11.38	327189	12.98
OP33976-MB	83313	4.37	307011	5.42	187369	6.96	334845	8.38	373490	11.38	347706	12.98
OP33976-BS	79025	4.37	287531	5.42	173182	6.96	300792	8.38	334043	11.38	309196	12.98
ZZZZZZ	78393	4.37	288409	5.42	171785	6.96	305337	8.38	331413	11.38	306388	12.98
ZZZZZZ	71667	4.36	264072	5.42	157559	6.96	276928	8.38	300699	11.38	283550	12.98
OP33941-MS	76133	4.37	278047	5.42	172119	6.97	303708	8.39	338691	11.38	322554	12.98
OP33941-MSD	80897	4.37	291666	5.42	173294	6.97	313735	8.39	347763	11.38	320283	12.98
MC22534-6	83267	4.37	303682	5.42	181097	6.96	326505	8.38	356271	11.38	335021	12.98
ZZZZZZ	69550	4.37	255194	5.42	156195	6.96	274444	8.38	314388	11.38	284388	12.98
MC22534-1	83223	4.37	300272	5.42	183689	6.96	331568	8.38	367598	11.38	343693	12.98
MC22534-2	78499	4.37	292673	5.42	179186	6.96	316589	8.38	353277	11.38	333289	12.98
MC22534-3	77832	4.37	284577	5.42	170241	6.96	307767	8.38	344342	11.38	318528	12.98
MC22534-4	78950	4.37	281573	5.42	169642	6.96	304455	8.38	332346	11.38	312747	12.98
ZZZZZZ	69661	4.37	258279	5.42	155901	6.96	278975	8.38	319765	11.38	290768	12.98
MC22534-5	78274	4.37	289482	5.42	174560	6.96	315689	8.38	344441	11.38	317833	12.98
ZZZZZZ	77062	4.36	285713	5.42	169903	6.96	305340	8.38	336117	11.38	308235	12.98
ZZZZZZ	73125	4.37	270939	5.42	163138	6.96	293175	8.38	327857	11.38	302553	12.98
ZZZZZZ	73418	4.36	273393	5.42	165104	6.96	298172	8.38	328378	11.38	304561	12.98
ZZZZZZ	73394	4.36	265579	5.42	161121	6.96	293804	8.38	319679	11.38	297642	12.98
ZZZZZZ	83463	4.36	304089	5.42	183880	6.96	329210	8.38	363747	11.38	335266	12.98
ZZZZZZ	83502	4.36	305904	5.42	183540	6.96	325363	8.38	356205	11.38	323974	12.98
ZZZZZZ	80030	4.36	294961	5.42	178995	6.96	319582	8.38	354085	11.38	324632	12.98
ZZZZZZ	77532	4.37	284989	5.42	171562	6.96	305335	8.38	335733	11.38	305689	12.98
ZZZZZZ	85606	4.37	314032	5.42	190830	6.96	334658	8.38	379988	11.38	346232	12.98
ZZZZZZ	77755	4.36	281505	5.42	173089	6.96	305724	8.38	337408	11.38	315318	12.98

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1173-CC1159	**Injection Date:**	07/12/13
Lab File ID:	R32145.D	**Injection Time:**	07:40
Instrument ID:	GCMSR	**Method:**	SW846 8270C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1179-CC1159	**Injection Date:**	07/23/13
Lab File ID:	R32324.D	**Injection Time:**	11:40
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	76980	4.31	284275	5.37	178259	6.91	309710	8.32	356647	11.31	330501	12.90
Upper Limit [a]	153960	4.81	568550	5.87	356518	7.41	619420	8.82	713294	11.81	661002	13.40
Lower Limit [b]	38490	3.81	142138	4.87	89130	6.41	154855	7.82	178324	10.81	165251	12.40
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
ZZZZZZ	90139	4.31	332191	5.37	199647	6.91	359456	8.32	413652	11.31	388344	12.90
ZZZZZZ	97620	4.31	366536	5.37	218947	6.91	393783	8.32	433912	11.31	405931	12.90
ZZZZZZ	111842	4.31	420997	5.37	258497	6.91	477849	8.32	537374	11.31	498751	12.90
OP34082-MB	101685	4.31	392549	5.37	241136	6.91	448433	8.32	502615	11.31	463400	12.90
OP34082-BS	97361	4.31	376246	5.37	228589	6.91	413741	8.32	468013	11.31	429704	12.90
OP34082-MS	97244	4.31	367656	5.37	222273	6.91	410899	8.32	458195	11.31	423812	12.90
OP34082-MSD	91413	4.31	351479	5.37	213138	6.91	393915	8.32	440020	11.31	401259	12.90
MC22900-3	93519	4.31	359279	5.37	216730	6.91	409341	8.32	456193	11.31	422669	12.90
MC22534-3 [c]	100825	4.31	380769	5.37	232915	6.91	428455	8.32	483203	11.31	447809	12.90
OP34083-MB	99233	4.31	372747	5.37	229869	6.91	422841	8.32	463738	11.31	400551	12.90
OP34083-BS	88760	4.31	333984	5.37	204423	6.91	373144	8.32	407105	11.31	360533	12.90
ZZZZZZ	90436	4.31	347779	5.37	215813	6.91	389451	8.32	428320	11.31	380729	12.90
ZZZZZZ	81259	4.31	314145	5.37	188126	6.90	347518	8.32	386157	11.31	353482	12.90
ZZZZZZ	84804	4.31	319554	5.37	194654	6.91	358864	8.32	396199	11.31	367243	12.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample re-extracted beyond recommended holding time.

Semivolatile Surrogate Recovery Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC22534-1	R32156.D	41	33	82	80	85	89
MC22534-2	R32157.D	45	30	87	76	78	97
MC22534-3	R32336.D	28	20	48	70	85	80
MC22534-3	R32159.D	2* [a]	1* [a]	4* [a]	85	90	103
MC22534-4	R32160.D	47	39	91	86	88	104
MC22534-5	R32162.D	26	23	47	83	94	101
MC22534-6	R32154.D	54	49	93	83	96	98
OP33941-BS	R32147.D	53	35	99	90	96	104
OP33941-MB	R32146.D	49	32	91	81	85	97
OP33941-MS	R32152.D	52	39	96	84	92	98
OP33941-MSD	R32153.D	52	38	95	85	94	101
OP34082-BS	R32332.D	57	21	93	76	87	80
OP34082-MB	R32331.D	48	18	73	67	77	77
OP34082-MS	R32333.D	57	21	92	80	91	81
OP34082-MSD	R32334.D	54	21	89	79	92	82

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

(a) Outside control limits. Sample re-extracted/reanalyzed.

Semivolatile Surrogate Recovery Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22534-1	I84761A.D	87	88	97
MC22534-2	I84762A.D	85	80	106
MC22534-3	I84763A.D	96	92	111
MC22534-4	I84764A.D	96	90	111
MC22534-5	I84765A.D	92	98	109
MC22534-6	I84760A.D	93	98	104
OP33942-BS	I84755A.D	99	96	111
OP33942-MB	I84754A.D	89	89	105
OP33942-MS	I84758A.D	93	94	106
OP33942-MSD	I84759A.D	95	92	112

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	30-130%
S2 = 2-Fluorobiphenyl	30-130%
S3 = Terphenyl-d14	30-130%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries

Method Blank Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33961-MB	BK26671.D	1	07/11/13	NK	07/11/13	OP33961	GBK917

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6, MC22534-8

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0097	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	Bromofluorobenzene (S)	121%	36-173%
460-00-4	Bromofluorobenzene (S)	121%	36-173%

Blank Spike Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33961-BS	BK26672.D	1	07/11/13	NK	07/11/13	OP33961	GBK917

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6, MC22534-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
96-12-8	1,2-Dibromo-3-chloropropane	0.071	0.081	114	60-140
106-93-4	1,2-Dibromoethane	0.071	0.075	106	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	Bromofluorobenzene (S)	124%	36-173%
460-00-4	Bromofluorobenzene (S)	123%	36-173%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP33961-MS	BK26673.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
OP33961-MSD	BK26674.D	1	07/11/13	NK	07/11/13	OP33961	GBK917
MC22534-6	BK26680.D	1	07/11/13	NK	07/11/13	OP33961	GBK917

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22534-1, MC22534-2, MC22534-3, MC22534-4, MC22534-5, MC22534-6, MC22534-8

CAS No.	Compound	MC22534-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
96-12-8	1,2-Dibromo-3-chloropropane	ND		0.0708	0.080	113	0.0714	0.087	122	8	64-141/29
106-93-4	1,2-Dibromoethane	ND		0.0708	0.068	96	0.0714	0.071	99	4	63-163/27

CAS No.	Surrogate Recoveries	MS	MSD	MC22534-6	Limits
460-00-4	Bromofluorobenzene (S)	123%	132%	171%	36-173%
460-00-4	Bromofluorobenzene (S)	121%	132%	166%	36-173%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8011 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC22534-1	BK26675.D	128	126
MC22534-2	BK26676.D	137	138
MC22534-3	BK26677.D	159	153
MC22534-4	BK26678.D	155	155
MC22534-5	BK26679.D	135	133
MC22534-6	BK26680.D	171	166
MC22534-8	BK26682.D	161	148
OP33961-BS	BK26672.D	124	123
OP33961-MB	BK26671.D	121	121
OP33961-MS	BK26673.D	123	121
OP33961-MSD	BK26674.D	132	132

Surrogate Compounds	Recovery Limits
S1 = Bromofluorobenzene (S)	36-173%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK917-ICC917	**Injection Date:**	07/11/13
Lab File ID:	BK26666.D	**Injection Time:**	14:22
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.60	4.97

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK26669A.D	07/11/13	15:31	4.60	4.97
OP33961-MB	BK26671.D	07/11/13	16:17	4.60	4.97
OP33961-BS	BK26672.D	07/11/13	16:40	4.60	4.97
OP33961-MS	BK26673.D	07/11/13	17:02	4.60	4.97
OP33961-MSD	BK26674.D	07/11/13	17:25	4.60	4.97
MC22534-1	BK26675.D	07/11/13	17:48	4.60	4.97
MC22534-2	BK26676.D	07/11/13	18:11	4.60	4.97
MC22534-3	BK26677.D	07/11/13	18:33	4.60	4.97
MC22534-4	BK26678.D	07/11/13	18:56	4.60	4.97
MC22534-5	BK26679.D	07/11/13	19:19	4.60	4.97
MC22534-6	BK26680.D	07/11/13	19:42	4.60	4.97

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22534
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK917-CC917	**Injection Date:**	07/11/13
Lab File ID:	BK26681.D	**Injection Time:**	20:04
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.60	4.97

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
MC22534-8	BK26682.D	07/11/13	20:27	4.60	4.97
ZZZZZZ	BK26683.D	07/11/13	20:49	4.60	4.97
ZZZZZZ	BK26684.D	07/11/13	21:12	4.60	4.97
ZZZZZZ	BK26685.D	07/11/13	21:35	4.60	4.97
ZZZZZZ	BK26686.D	07/11/13	21:57	4.60	4.97
ZZZZZZ	BK26687.D	07/11/13	22:20	4.60	4.97
ZZZZZZ	BK26688.D	07/11/13	22:43	4.60	4.97
ZZZZZZ	BK26689.D	07/11/13	23:06	4.60	4.97
ZZZZZZ	BK26690.D	07/11/13	23:29	4.60	4.97
ZZZZZZ	BK26691.D	07/11/13	23:52	4.60	4.97

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana,

SGS Accutest Job Number: MC22664

Sampling Date: 07/11/13

Report to:

AECOM, INC.

Melissa.mansker@aecom.com

ATTN: Melissa Mansker

Total number of pages in report: 135

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

SGS ACCUTEST

November 1, 2016

AECOM
1001 Highlands Plaza Drive West Suite 300
St. Louis, MO 63110

RE: SGS Accutest Job # MC22664

Dear Elizabeth Kunkel

As you are aware, SGS Accutest Inc. - Marlboroug has been conducting an extensive review of data associated with some historical Gas Chromatography-Mass Spectroscopy volatiles analyses. As a result of this review it was determined that some revisions of the original test report for this job were needed. These corrections have been incorporated into the revised report.

Please be assured that corrective actions have been put in place to address this matter and prevent a recurrence.

We apologize for any inconvenience that this issue may have caused. Please don't hesitate to contact us if we can be of further assistance.

Sincerely,

H. (Brad) Madadian

Regional Laboratory Director
SGS Accutest Inc. - Marlborough

Sections: 1 2 3 4 5 6 7 8

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Sample Summary

Shell Oil

Job No: MC22664

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC22664-1	07/11/13	09:00	LRDM	07/12/13	AQ	Ground Water	MW24-ROX-071113
MC22664-2	07/11/13	09:50	LRDM	07/12/13	AQ	Ground Water	P54-ROX-071113
MC22664-3	07/11/13	10:35	LRDM	07/12/13	AQ	Ground Water	MW3-ROX-071113
MC22664-4	07/11/13	10:50	LRDM	07/12/13	AQ	Ground Water	MW2-ROX-071113-EB
MC22664-5	07/11/13	11:35	LRDM	07/12/13	AQ	Ground Water	MW2-ROX-071113
MC22664-6	07/11/13	13:15	LRDM	07/12/13	AQ	Ground Water	ROST4PZC-ROX-071113
MC22664-7	07/11/13	14:05	LRDM	07/12/13	AQ	Ground Water	ROST3MW-ROX-071113
MC22664-8	07/11/13	15:00	LRDM	07/12/13	AQ	Ground Water	MW22-ROX-071113
MC22664-9	07/11/13	15:00	LRDM	07/12/13	AQ	Ground Water	MW22-ROX-071113-DUP
MC22664-10	07/11/13	00:00	LRDM	07/12/13	AQ	Trip Blank Water	TB-ROX-071113-HCL
MC22664-11	07/11/13	00:00	LRDM	07/12/13	AQ	Trip Blank Water	TB-ROX-071113-ST

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: She O **Job No** MC22664

Site: URSMOSTL:Roxana 3Q 3 GW/ 2 562850 03003 900 South Centra **Report Date** / /20 6 4:03:4 PM

9 Samp e(s), 2 Tr p B ank(s) were co ected on 07/ /20 3 and were rece ved at SGS Accutest New Eng and on 07/ 2/20 3 proper y preserved, at 0 4 Deg C and ntact These Samp es rece ved a job number of MC22664 A st ng of the Laboratory Samp e ID, C ent Samp e ID and dates of co ect on are presented n the Resu ts Summary Sect on of th s report -Ch orohexane, Benzeneth o , D benz(a,h)acr d ne, Indene, and Qu no ne were searched n the bra y search and reported on y f detect ons were found

Except as noted be ow, a method spec f ed ca brat ons and qua ty contro performance cr ter a were met for th s job For more nformat on, p ease refer to QC summary pages

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** MSN2948

- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22702-4MS, MC22702-4MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- B ank Sp ke Recovery(s) for Acro e n, D ch orod f uoromethane are outs de contro m ts
- MC22702-4MS/MSD Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone, V ny Acetate are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference Refer to B ank Sp ke

Matrix: AQ **Batch ID:** MSN2949

- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22739-8MS, MC22739-8MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP34009

- A samp es were extracted w th n the recommended method ho d ng t me
- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22548- 8MS, MC22548- 8MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- B ank Sp ke Recovery(s) for Benzo c Ac d, Hexach orocyc opentad ene, Hexach oroethane, Pheno , Pyr d ne are outs de contro m ts
- Matr x Sp ke Recovery(s) for Benzo c Ac d, D methy phtha ate, Hexach orocyc opentad ene, Hexach oroethane, Pyr d ne are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference
- Matr x Sp ke Dup cate Recove y(s) for Hexach orocyc opentad ene, Hexach oroethane, Pheno , Pyr d ne are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference
- RPD(s) for MSD for D methy phtha ate are outs de contro m ts for samp e OP34009-MSD H gh RPD due to poss b e samp e nonhomogene ty
- MC22664-7 for 2-F uoropheno : Outs de contro m ts due to poss b e matr x nterference Conf rmed by re-extract on/reana ys s
- MC22664- for Pheno -d5: Outs de contro m ts Samp e re-extracted/reana yzed
- MC22664- for 2-F uoropheno : Outs de contro m ts Samp e re-extracted/reana yzed
- MC22664-7 for Pheno -d5: Outs de contro m ts due to poss b e matr x nterference Conf rmed by re-extract on/reana ys s

Matrix: AQ **Batch ID:** OP34099

- Samp e(s) MC22900-7MS, MC22900-7MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- MC22664- ,7: Samp e re-extracted beyond recommended ho d ng t me
- MC22664-7 for Pheno -d5: Outs de contro m ts due to poss b e matr x nterference Conf rmed by re-extract on/reana ys s

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP340 0

- A samp es were extracted w th n the recommended method ho d ng t me
- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC22548- 9MS, MC22548- 9MSD were used as the QC samp es nd cated
- Samp e(s) MC22664-8, MC22664-9 have compound(s) reported w th a “B” qua f er, nd cat ng ana yte s found n the assoc ated method b ank
- OP340 0-MS/MSD Recovery(s) for -Methy naphtha ene, 2-Methy naphtha ene are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference Refer to B ank Sp ke

Volatiles by GC By Method SW846 8011

Matrix: AQ **Batch ID:** OP34092

- A samp es were ana yzed w th n the recommended method ho d ng t me
- A method b anks for th s batch meet method spec f c cr ter a
- Samp e(s) MC22787-5MS, MC22787-5MSD were used as the QC samp es nd cated

SGS Accutest New Eng and cert f es that a ana ys s were performed w th n method spec f cat on It s further recommended that th s report to be used n ts ent rety The Laborato y D rector for SGS Accutest New Eng and or ass gnee as ver f ed by the s gnature on the cover page has author zed the re ease of th s repo t(MC22664)

Summary of Hits

Job Number: MC22664
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/11/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22664-1	MW24-ROX-071113					
Acetone		15.7	10	2.8	ug/l	SW846 8260B
Acenaphthene		0.024 J	0.11	0.015	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		0.062 J	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene		0.038 J	0.054	0.014	ug/l	SW846 8270C BY SIM
MC22664-2	P54-ROX-071113					
bis(2-Ethylhexyl)phthalate		0.52 J	2.1	0.51	ug/l	SW846 8270C
Acenaphthene		0.032 J	0.10	0.014	ug/l	SW846 8270C BY SIM
Acenaphthylene		0.016 J	0.10	0.014	ug/l	SW846 8270C BY SIM
Anthracene		0.018 J	0.10	0.018	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		0.083 J	0.21	0.054	ug/l	SW846 8270C BY SIM
Phenanthrene		0.049 J	0.052	0.013	ug/l	SW846 8270C BY SIM
MC22664-3	MW3-ROX-071113					
Benzene		5.9	0.50	0.45	ug/l	SW846 8260B
Isopropylbenzene		4.9 J	5.0	0.64	ug/l	SW846 8260B
Methyl Tert Butyl Ether		3.5	1.0	0.43	ug/l	SW846 8260B
n-Propylbenzene		5.5	5.0	0.59	ug/l	SW846 8260B
Toluene		1.3	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1.3 J	5.0	0.47	ug/l	SW846 8260B
m,p-Xylene		2.8	1.0	0.70	ug/l	SW846 8260B
Xylene (total)		2.8	1.0	0.41	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate		3.8	2.2	0.53	ug/l	SW846 8270C
Acenaphthene		0.028 J	0.11	0.015	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		0.44	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		0.38	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene		0.039 J	0.054	0.014	ug/l	SW846 8270C BY SIM
Pyrene		0.072 J	0.11	0.039	ug/l	SW846 8270C BY SIM
MC22664-4	MW2-ROX-071113-EB					
Phenanthrene		0.033 J	0.051	0.013	ug/l	SW846 8270C BY SIM
Pyrene		0.065 J	0.10	0.036	ug/l	SW846 8270C BY SIM
MC22664-5	MW2-ROX-071113					
Benzene		6.0	0.50	0.45	ug/l	SW846 8260B
sec-Butylbenzene		7.3	5.0	0.58	ug/l	SW846 8260B
tert-Butylbenzene		2.9 J	5.0	0.87	ug/l	SW846 8260B
Ethylbenzene		1570	50	19	ug/l	SW846 8260B
Isopropylbenzene		93.1	5.0	0.64	ug/l	SW846 8260B

Summary of Hits

Job Number: MC22664
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/11/13

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
p-Isopropyltoluene	7.5	5.0	0.55	ug/l	SW846 8260B
Methyl Tert Butyl Ether	6.2	1.0	0.43	ug/l	SW846 8260B
Naphthalene	114	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene	127	5.0	0.59	ug/l	SW846 8260B
Toluene	110	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	522	250	23	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	175	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene	1880	50	35	ug/l	SW846 8260B
o-Xylene	174	1.0	0.41	ug/l	SW846 8260B
Xylene (total)	1880	50	20	ug/l	SW846 8260B
2,4-Dimethylphenol	5.0 J	11	1.3	ug/l	SW846 8270C
bis(2-Ethylhexyl)phthalate	0.63 J	2.2	0.54	ug/l	SW846 8270C
Acenaphthene	0.035 J	0.11	0.015	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	12.3	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	24.9	0.22	0.057	ug/l	SW846 8270C BY SIM
Phenanthrene	0.051 J	0.055	0.014	ug/l	SW846 8270C BY SIM
MC22664-6 ROST4PZC-ROX-071113					
Benzene	49.7	0.50	0.45	ug/l	SW846 8260B
Ethylbenzene	65.1	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene	2.5 J	5.0	0.64	ug/l	SW846 8260B
Naphthalene	18.9	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene	4.1 J	5.0	0.59	ug/l	SW846 8260B
Toluene	41.0	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	19.4	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	4.4 J	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene	126	1.0	0.70	ug/l	SW846 8260B
o-Xylene	64.9	1.0	0.41	ug/l	SW846 8260B
Xylene (total)	191	1.0	0.41	ug/l	SW846 8260B
Phenol	0.57 J	5.4	0.55	ug/l	SW846 8270C
bis(2-Ethylhexyl)phthalate	3.2	2.2	0.53	ug/l	SW846 8270C
Acenaphthene	0.19	0.11	0.015	ug/l	SW846 8270C BY SIM
Acenaphthylene	0.073 J	0.11	0.014	ug/l	SW846 8270C BY SIM
Anthracene	0.12	0.11	0.019	ug/l	SW846 8270C BY SIM
Fluoranthene	0.099 J	0.11	0.035	ug/l	SW846 8270C BY SIM
Fluorene	0.27	0.11	0.050	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	2.7	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	2.1	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene	0.52	0.054	0.014	ug/l	SW846 8270C BY SIM
Pyrene	0.090 J	0.11	0.038	ug/l	SW846 8270C BY SIM
MC22664-7 ROST3MW-ROX-071113					
Benzene	12.5	0.50	0.45	ug/l	SW846 8260B

Summary of Hits

Job Number: MC22664
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/11/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
sec-Butylbenzene		1.4 J	5.0	0.58	ug/l	SW846 8260B
Ethylbenzene		218	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene		14.6	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene		1.4 J	5.0	0.55	ug/l	SW846 8260B
Naphthalene		41.1	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		27.9	5.0	0.59	ug/l	SW846 8260B
Toluene		14.0	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		164	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		37.3	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene		644	1.0	0.70	ug/l	SW846 8260B
o-Xylene		124	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		768	1.0	0.41	ug/l	SW846 8260B
2,4-Dimethylphenol [a]		1.6 J	11	1.2	ug/l	SW846 8270C
Dibenzofuran		0.25 J	2.2	0.17	ug/l	SW846 8270C
bis(2-Ethylhexyl)phthalate		0.61 J	2.2	0.53	ug/l	SW846 8270C
Acenaphthene		0.29	0.11	0.015	ug/l	SW846 8270C BY SIM
Anthracene		0.091 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Fluorene		0.43	0.11	0.050	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		10.5	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		14.2	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene		0.73	0.054	0.014	ug/l	SW846 8270C BY SIM
Pyrene		0.044 J	0.11	0.038	ug/l	SW846 8270C BY SIM
MC22664-8	**MW22-ROX-071113**					
Benzene		1190	50	45	ug/l	SW846 8260B
sec-Butylbenzene		11.6	5.0	0.58	ug/l	SW846 8260B
tert-Butylbenzene		14.2	5.0	0.87	ug/l	SW846 8260B
Ethylbenzene		2070	100	38	ug/l	SW846 8260B
Isopropylbenzene		131	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene		8.7	5.0	0.55	ug/l	SW846 8260B
4-Methyl-2-pentanone (MIBK)		10.2	5.0	1.3	ug/l	SW846 8260B
Naphthalene		345	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		242	5.0	0.59	ug/l	SW846 8260B
Toluene		3920	100	46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		864	500	47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		309	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene		4130	100	70	ug/l	SW846 8260B
o-Xylene		2260	100	41	ug/l	SW846 8260B
Xylene (total)		6390	100	41	ug/l	SW846 8260B
2,4-Dimethylphenol		104	11	1.2	ug/l	SW846 8270C
2-Methylphenol		15.9	11	1.4	ug/l	SW846 8270C
3&4-Methylphenol		29.0	11	2.2	ug/l	SW846 8270C
Phenol		9.4	5.4	0.56	ug/l	SW846 8270C
bis(2-Ethylhexyl)phthalate		1.7 J	2.2	0.53	ug/l	SW846 8270C

Summary of Hits

Job Number: MC22664
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/11/13

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Acenaphthene	0.26	0.11	0.015	ug/l	SW846 8270C BY SIM
Acenaphthylene	0.48	0.11	0.014	ug/l	SW846 8270C BY SIM
Anthracene	0.035 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Fluorene	0.27	0.11	0.050	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	23.2	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	39.3	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene	0.20 B	0.054	0.014	ug/l	SW846 8270C BY SIM
MC22664-9 MW22-ROX-071113-DUP					
Benzene	1110	50	45	ug/l	SW846 8260B
sec-Butylbenzene	11.6	5.0	0.58	ug/l	SW846 8260B
tert-Butylbenzene	14.8	5.0	0.87	ug/l	SW846 8260B
Ethylbenzene	1790	100	38	ug/l	SW846 8260B
Isopropylbenzene	133	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene	8.7	5.0	0.55	ug/l	SW846 8260B
4-Methyl-2-pentanone (MIBK)	10.3	5.0	1.3	ug/l	SW846 8260B
Naphthalene	362	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene	245	5.0	0.59	ug/l	SW846 8260B
Toluene	3570	100	46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	754	500	47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	311	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene	3830	100	70	ug/l	SW846 8260B
o-Xylene	2050	100	41	ug/l	SW846 8260B
Xylene (total)	5880	100	41	ug/l	SW846 8260B
2,4-Dimethylphenol	97.8	11	1.3	ug/l	SW846 8270C
2-Methylphenol	14.7	11	1.4	ug/l	SW846 8270C
3&4-Methylphenol	26.9	11	2.3	ug/l	SW846 8270C
Phenol	8.8	5.6	0.57	ug/l	SW846 8270C
Di-n-butyl phthalate	0.52 J	5.6	0.43	ug/l	SW846 8270C
bis(2-Ethylhexyl)phthalate	2.1 J	2.2	0.54	ug/l	SW846 8270C
Acenaphthene	0.18	0.11	0.015	ug/l	SW846 8270C BY SIM
Acenaphthylene	0.47	0.11	0.015	ug/l	SW846 8270C BY SIM
Fluorene	0.17	0.11	0.051	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	21.6	0.22	0.16	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	37.0	0.22	0.058	ug/l	SW846 8270C BY SIM
Phenanthrene	0.20 B	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22664-10 TB-ROX-071113-HCL					
No hits reported in this sample.					
MC22664-11 TB-ROX-071113-ST					
No hits reported in this sample.					

Summary of Hits

Job Number: MC22664
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/11/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(a) Sample re-extracted beyond recommended holding time.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78532.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.7	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65713.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2 [a]	R32380.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2	940 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND [b]	11	1.3	ug/l	
95-57-8	2-Chlorophenol	ND [b]	5.3	0.41	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND [b]	11	0.52	ug/l	
120-83-2	2,4-Dichlorophenol	ND [b]	11	0.35	ug/l	
105-67-9	2,4-Dimethylphenol	ND [b]	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND [b]	21	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND [b]	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND [b]	11	1.4	ug/l	
	3&4-Methylphenol	ND [b]	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND [b]	11	0.53	ug/l	
100-02-7	4-Nitrophenol	ND [b]	21	0.62	ug/l	
87-86-5	Pentachlorophenol	ND [b]	11	1.3	ug/l	
108-95-2	Phenol	ND [b]	5.3	0.54	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND [b]	11	0.61	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND [b]	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.92	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.99	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.70	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.69	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.47	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.87	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.58	ug/l	
110-86-1	Pyridine	ND	11	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	7% [c]	36%	15-110%
4165-62-2	Phenol-d5	6% [c]	15%	15-110%
118-79-6	2,4,6-Tribromophenol	28%	76%	15-110%
4165-60-0	Nitrobenzene-d5	76%	52%	30-130%
321-60-8	2-Fluorobiphenyl	59%	64%	30-130%
1718-51-0	Terphenyl-d14	91%	83%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	
	Total TIC, Semi-Volatile		0	ug/l	

(a) Sample re-extracted beyond recommended holding time.
(b) Result is from Run# 2
(c) Outside control limits. Sample re-extracted/reanalyzed.

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14029.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.024	0.11	0.015	ug/l	J
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	ND	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	0.032	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.063	ug/l	
218-01-9	Chrysene	ND	0.11	0.078	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	ND	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.049	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	0.062	0.22	0.056	ug/l	J
85-01-8	Phenanthrene	0.038	0.054	0.014	ug/l	J
129-00-0	Pyrene	ND	0.11	0.038	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		30-130%
321-60-8	2-Fluorobiphenyl	60%		30-130%
1718-51-0	Terphenyl-d14	91%		30-130%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW24-ROX-071113		
Lab Sample ID:	MC22664-1	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27086.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	106%		36-173%
460-00-4	Bromofluorobenzene (S)	97%		36-173%

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78534.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65714.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.2	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.51	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.34	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	2.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.52	ug/l	
100-02-7	4-Nitrophenol	ND	21	0.61	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.2	0.53	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.60	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.33	ug/l	
62-53-3	Aniline	ND	10	0.66	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.2	0.21	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.2	0.89	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.60	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.2	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.2	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.2	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.2	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.2	0.68	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.70	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.67	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.52	ug/l	
132-64-9	Dibenzofuran	ND	2.1	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.2	0.40	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.2	0.45	ug/l	

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Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.2	0.52	ug/l	
131-11-3	Dimethyl phthalate	ND	5.2	0.52	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.52	2.1	0.51	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.2	0.31	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.6	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.46	ug/l	
78-59-1	Isophorone	ND	5.2	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.52	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.5	ug/l	
98-95-3	Nitrobenzene	ND	5.2	0.26	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.2	0.52	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.2	0.84	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.56	ug/l	
110-86-1	Pyridine	ND	10	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		15-110%
4165-62-2	Phenol-d5	29%		15-110%
118-79-6	2,4,6-Tribromophenol	77%		15-110%
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	61%		30-130%
1718-51-0	Terphenyl-d14	87%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14030.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.032	0.10	0.014	ug/l	J
208-96-8	Acenaphthylene	0.016	0.10	0.014	ug/l	J
120-12-7	Anthracene	0.018	0.10	0.018	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.052	0.031	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.018	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.052	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.039	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.061	ug/l	
218-01-9	Chrysene	ND	0.10	0.076	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.043	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.034	ug/l	
86-73-7	Fluorene	ND	0.10	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.048	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.21	0.15	ug/l	
91-57-6	2-Methylnaphthalene	0.083	0.21	0.054	ug/l	J
85-01-8	Phenanthrene	0.049	0.052	0.013	ug/l	J
129-00-0	Pyrene	ND	0.10	0.037	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		30-130%
321-60-8	2-Fluorobiphenyl	62%		30-130%
1718-51-0	Terphenyl-d14	87%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P54-ROX-071113		
Lab Sample ID:	MC22664-2	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27087.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	36.7 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	104%		36-173%
460-00-4	Bromofluorobenzene (S)	91%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78535.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	5.9	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	4.9	5.0	0.64	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.5	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	5.5	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	1.3	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.3	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	2.8	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	2.8	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65715.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	5.4	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.93	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.71	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.70	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.8	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.48	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		15-110%
4165-62-2	Phenol-d5	23%		15-110%
118-79-6	2,4,6-Tribromophenol	68%		15-110%
4165-60-0	Nitrobenzene-d5	74%		30-130%
321-60-8	2-Fluorobiphenyl	55%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14031.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.028	0.11	0.015	ug/l	J
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	ND	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.079	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	ND	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.44	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	0.38	0.22	0.056	ug/l	
85-01-8	Phenanthrene	0.039	0.054	0.014	ug/l	J
129-00-0	Pyrene	0.072	0.11	0.039	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		30-130%
321-60-8	2-Fluorobiphenyl	55%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW3-ROX-071113		
Lab Sample ID:	MC22664-3	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27088.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	134%		36-173%
460-00-4	Bromofluorobenzene (S)	117%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78536.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65716.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.1	0.39	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.50	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.51	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.60	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.1	0.52	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.58	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.65	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.1	0.21	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	0.87	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.94	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.1	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.1	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.1	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.1	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	0.67	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.69	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.51	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	0.40	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	0.44	ug/l	

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Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.1	0.51	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	0.51	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	0.30	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.6	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.45	ug/l	
78-59-1	Isophorone	ND	5.1	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.51	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.4	ug/l	
98-95-3	Nitrobenzene	ND	5.1	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.1	0.51	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	0.82	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.55	ug/l	
110-86-1	Pyridine	ND	10	0.53	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		15-110%
4165-62-2	Phenol-d5	27%		15-110%
118-79-6	2,4,6-Tribromophenol	76%		15-110%
4165-60-0	Nitrobenzene-d5	72%		30-130%
321-60-8	2-Fluorobiphenyl	58%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14032.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.014	ug/l	
208-96-8	Acenaphthylene	ND	0.10	0.014	ug/l	
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.051	0.031	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.018	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.051	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.060	ug/l	
218-01-9	Chrysene	ND	0.10	0.074	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.043	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.033	ug/l	
86-73-7	Fluorene	ND	0.10	0.047	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.047	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	0.053	ug/l	
85-01-8	Phenanthrene	0.033	0.051	0.013	ug/l	J
129-00-0	Pyrene	0.065	0.10	0.036	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		30-130%
321-60-8	2-Fluorobiphenyl	60%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113-EB		
Lab Sample ID:	MC22664-4	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27089.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	108%		36-173%
460-00-4	Bromofluorobenzene (S)	98%		36-173%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78537.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2	N78584.D	50	07/24/13	JB	n/a	n/a	MSN2949

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	6.0	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	7.3	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	2.9	5.0	0.87	ug/l	J
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	1570 [a]	50	19	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	93.1	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	7.5	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.2	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	114	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	127	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	110	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	522 [a]	250	23	ug/l	
108-67-8	1,3,5-Trimethylbenzene	175	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	1880 [a]	50	35	ug/l	
95-47-6	o-Xylene	174	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	1880 [a]	50	20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	95%	70-130%
2037-26-5	Toluene-D8	103%	100%	70-130%
460-00-4	4-Bromofluorobenzene	101%	103%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65717.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.5	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.54	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	5.0	11	1.3	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.55	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.64	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	5.5	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.63	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.70	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.5	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.5	0.94	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.63	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.5	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.5	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.5	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.5	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.5	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.5	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.74	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.5	0.55	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.5	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.5	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.5	0.55	ug/l	
131-11-3	Dimethyl phthalate	ND	5.5	0.55	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.63	2.2	0.54	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.5	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.5	0.48	ug/l	
78-59-1	Isophorone	ND	5.5	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.55	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.5	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.5	0.55	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.5	0.89	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		15-110%
4165-62-2	Phenol-d5	32%		15-110%
118-79-6	2,4,6-Tribromophenol	77%		15-110%
4165-60-0	Nitrobenzene-d5	75%		30-130%
321-60-8	2-Fluorobiphenyl	50%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14033.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.035	0.11	0.015	ug/l	J
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.055	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.055	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.080	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	12.3	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	24.9	0.22	0.057	ug/l	
85-01-8	Phenanthrene	0.051	0.055	0.014	ug/l	J
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		30-130%
321-60-8	2-Fluorobiphenyl	51%		30-130%
1718-51-0	Terphenyl-d14	87%		30-130%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW2-ROX-071113		
Lab Sample ID:	MC22664-5	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27090.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	121%		36-173%
460-00-4	Bromofluorobenzene (S)	126%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78538.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	49.7	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	65.1	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	2.5	5.0	0.64	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	18.9	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	4.1	5.0	0.59	ug/l	J
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	41.0	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	19.4	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	4.4	5.0	1.1	ug/l	J
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	126	1.0	0.70	ug/l	
95-47-6	o-Xylene	64.9	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	191	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65718.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.41	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.35	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.3	ug/l	
108-95-2	Phenol	0.57	5.4	0.55	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.92	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.99	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.70	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.69	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.2	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.47	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.87	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.58	ug/l	
110-86-1	Pyridine	ND	11	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		15-110%
4165-62-2	Phenol-d5	22%		15-110%
118-79-6	2,4,6-Tribromophenol	71%		15-110%
4165-60-0	Nitrobenzene-d5	70%		30-130%
321-60-8	2-Fluorobiphenyl	54%		30-130%
1718-51-0	Terphenyl-d14	92%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14034.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.19	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.073	0.11	0.014	ug/l	J
120-12-7	Anthracene	0.12	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.054	0.032	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.063	ug/l	
218-01-9	Chrysene	ND	0.11	0.078	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	0.099	0.11	0.035	ug/l	J
86-73-7	Fluorene	0.27	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.049	ug/l	
90-12-0	1-Methylnaphthalene	2.7	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	2.1	0.22	0.056	ug/l	
85-01-8	Phenanthrene	0.52	0.054	0.014	ug/l	
129-00-0	Pyrene	0.090	0.11	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		30-130%
321-60-8	2-Fluorobiphenyl	55%		30-130%
1718-51-0	Terphenyl-d14	91%		30-130%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST4PZC-ROX-071113		
Lab Sample ID:	MC22664-6	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27091.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	37.0 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0091	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	115%		36-173%
460-00-4	Bromofluorobenzene (S)	103%		36-173%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78539.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	12.5	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	1.4	5.0	0.58	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	218	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	14.6	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	1.4	5.0	0.55	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	41.1	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	27.9	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	14.0	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	164	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	37.3	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	644	1.0	0.70	ug/l	
95-47-6	o-Xylene	124	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	768	1.0	0.41	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65719.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2 [a]	R32381.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2	930 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND [b]	11	1.3	ug/l	
95-57-8	2-Chlorophenol	ND [b]	5.4	0.41	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND [b]	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND [b]	11	0.35	ug/l	
105-67-9	2,4-Dimethylphenol	1.6 [b]	11	1.2	ug/l	J
51-28-5	2,4-Dinitrophenol	ND [b]	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND [b]	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND [b]	11	1.4	ug/l	
	3&4-Methylphenol	ND [b]	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND [b]	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND [b]	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND [b]	11	1.3	ug/l	
108-95-2	Phenol	ND [b]	5.4	0.55	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND [b]	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND [b]	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.92	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.99	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.70	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.69	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	0.25	2.2	0.17	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.61	2.2	0.53	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.47	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.87	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.58	ug/l	
110-86-1	Pyridine	ND	11	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	2% [c]	27%	15-110%
4165-62-2	Phenol-d5	1% [c]	14% [c]	15-110%
118-79-6	2,4,6-Tribromophenol	18%	67%	15-110%
4165-60-0	Nitrobenzene-d5	67%	64%	30-130%
321-60-8	2-Fluorobiphenyl	46%	73%	30-130%
1718-51-0	Terphenyl-d14	74%	80%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Sample re-extracted beyond recommended holding time.
(b) Result is from Run# 2
(c) Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14035.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.29	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	0.091	0.11	0.019	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.054	0.032	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.063	ug/l	
218-01-9	Chrysene	ND	0.11	0.078	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	0.43	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.049	ug/l	
90-12-0	1-Methylnaphthalene	10.5	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	14.2	0.22	0.056	ug/l	
85-01-8	Phenanthrene	0.73	0.054	0.014	ug/l	
129-00-0	Pyrene	0.044	0.11	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		30-130%
321-60-8	2-Fluorobiphenyl	48%		30-130%
1718-51-0	Terphenyl-d14	74%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ROST3MW-ROX-071113		
Lab Sample ID:	MC22664-7	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27092.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	37.1 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0091	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	114%		36-173%
460-00-4	Bromofluorobenzene (S)	96%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78540.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2	N78585.D	100	07/24/13	JB	n/a	n/a	MSN2949

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	1190 [a]	50	45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	11.6	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	14.2	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	2070 [a]	100	38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	131	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	8.7	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	10.2	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	345	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	242	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	3920 [a]	100	46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	864 [a]	500	47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	309	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	4130 [a]	100	70	ug/l	
95-47-6	o-Xylene	2260 [a]	100	41	ug/l	
1330-20-7	Xylene (total)	6390 [a]	100	41	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	96%	70-130%
2037-26-5	Toluene-D8	98%	100%	70-130%
460-00-4	4-Bromofluorobenzene	97%	100%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65720.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	104	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	15.9	11	1.4	ug/l	
	3&4-Methylphenol	29.0	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	9.4	5.4	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.93	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.71	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.70	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.7	2.2	0.53	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.48	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		15-110%
4165-62-2	Phenol-d5	35%		15-110%
118-79-6	2,4,6-Tribromophenol	82%		15-110%
4165-60-0	Nitrobenzene-d5	94%		30-130%
321-60-8	2-Fluorobiphenyl	71%		30-130%
1718-51-0	Terphenyl-d14	89%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14036.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.26	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.48	0.11	0.014	ug/l	
120-12-7	Anthracene	0.035	0.11	0.019	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.054	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.079	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	0.27	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.050	ug/l	
90-12-0	1-Methylnaphthalene	23.2	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	39.3	0.22	0.056	ug/l	
85-01-8	Phenanthrene	0.20	0.054	0.014	ug/l	B
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		30-130%
321-60-8	2-Fluorobiphenyl	63%		30-130%
1718-51-0	Terphenyl-d14	89%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113		
Lab Sample ID:	MC22664-8	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27093.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	124%		36-173%
460-00-4	Bromofluorobenzene (S)	90%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78541.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2	N78586.D	100	07/24/13	JB	n/a	n/a	MSN2949

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	1110 [a]	50	45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	11.6	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	14.8	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	1790 [a]	100	38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	133	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	8.7	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	10.3	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	362	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	245	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	3570 [a]	100	46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	754 [a]	500	47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	311	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	3830 [a]	100	70	ug/l	
95-47-6	o-Xylene	2050 [a]	100	41	ug/l	
1330-20-7	Xylene (total)	5880 [a]	100	41	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	95%	70-130%
2037-26-5	Toluene-D8	97%	100%	70-130%
460-00-4	4-Bromofluorobenzene	102%	99%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F65721.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	0.43	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.55	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	97.8	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	14.7	11	1.4	ug/l	
	3&4-Methylphenol	26.9	11	2.3	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.65	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	8.8	5.6	0.57	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.64	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.71	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.64	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.75	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	0.52	5.6	0.43	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.6	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
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Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.1	2.2	0.54	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.90	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.60	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		15-110%
4165-62-2	Phenol-d5	33%		15-110%
118-79-6	2,4,6-Tribromophenol	80%		15-110%
4165-60-0	Nitrobenzene-d5	91%		30-130%
321-60-8	2-Fluorobiphenyl	60%		30-130%
1718-51-0	Terphenyl-d14	88%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14037.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.18	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.47	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.065	ug/l	
218-01-9	Chrysene	ND	0.11	0.081	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	0.17	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	21.6	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	37.0	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.20	0.056	0.014	ug/l	B
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		30-130%
321-60-8	2-Fluorobiphenyl	57%		30-130%
1718-51-0	Terphenyl-d14	88%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW22-ROX-071113-DUP		
Lab Sample ID:	MC22664-9	**Date Sampled:**	07/11/13
Matrix:	AQ - Ground Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27095.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	35.6 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	147%		36-173%
460-00-4	Bromofluorobenzene (S)	116%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071113-HCL		
Lab Sample ID:	MC22664-10	**Date Sampled:**	07/11/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N78528.D	1	07/23/13	JB	n/a	n/a	MSN2948
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071113-HCL		
Lab Sample ID:	MC22664-10	**Date Sampled:**	07/11/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071113-HCL		
Lab Sample ID:	MC22664-10	**Date Sampled:**	07/11/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/12/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071113-ST		
Lab Sample ID:	MC22664-11	**Date Sampled:**	07/11/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/12/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27096.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
Run #2							

	Initial Volume	Final Volume
Run #1	37.1 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0091	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	118%		36-173%
460-00-4	Bromofluorobenzene (S)	106%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

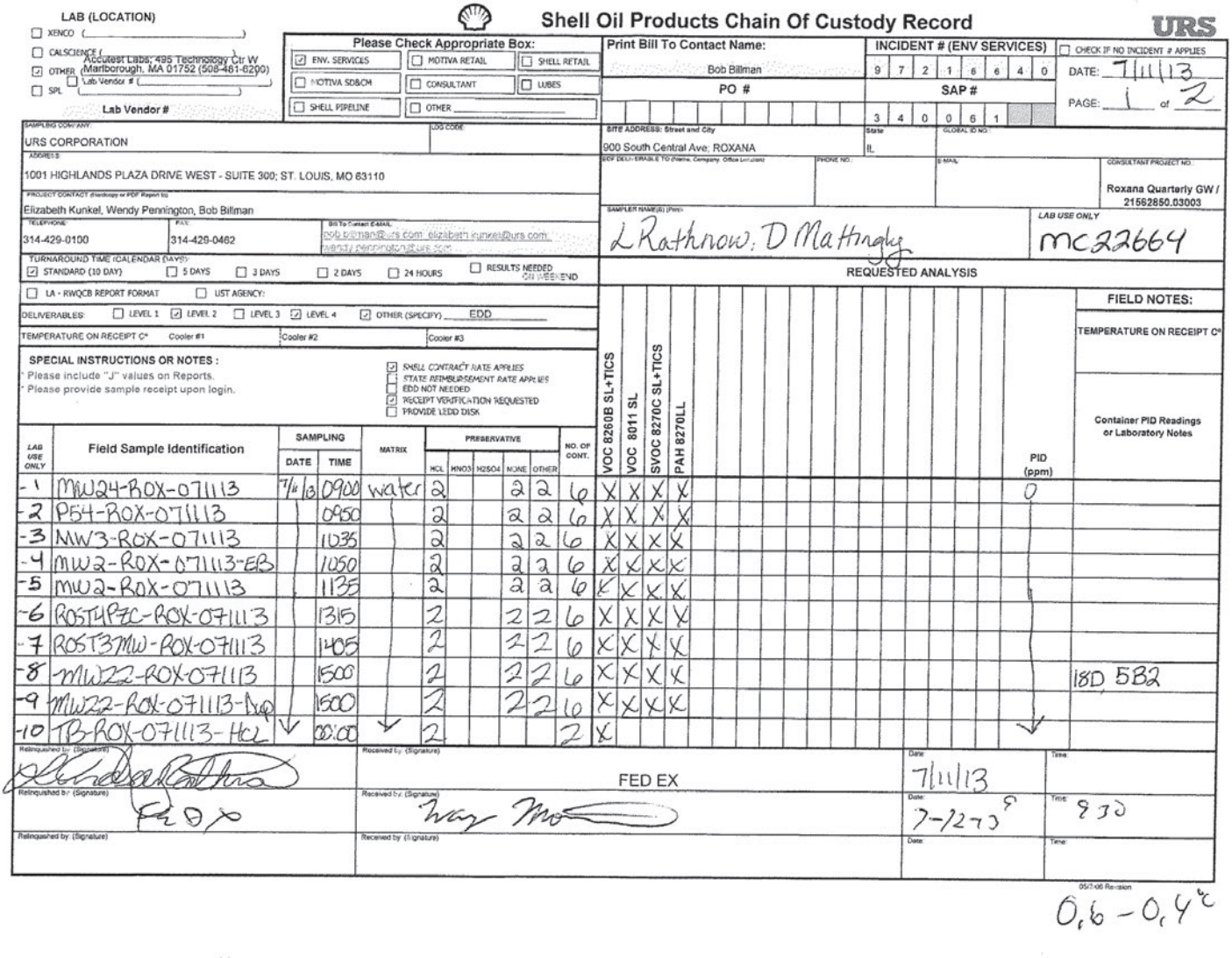
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



LAB (LOCATION)
XENCO ( )
CALSCIENCE ( )
OTHER Accutest Labs; 495 Technology Ctr W (Marlborough, MA 01752 (508-461-6200)
Lab Vendor # ( )
SPL ( )
Lab Vendor #

Shell Oil Products Chain Of Custody Record

URS

Please Check Appropriate Box:
ENV. SERVICES | MOTIVA RETAIL | SHELL RETAIL
MOTIVA SD&CM | CONSULTANT | LUBES
SHELL PIPELINE | OTHER

Print Bill To Contact Name: Bob Billman
INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
CHECK IF NO INCIDENT # APPLIES
DATE: 7/11/13
PAGE: 1 of 2
PO #
SAP #: 3 4 0 0 6 1

SAMPLING COMPANY: URS CORPORATION
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
GLOBAL ID NO.:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
INVOICE TO (Name, Company, Office Location)
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO.: Roxana Quarterly GW / 21562850.03003
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@urs.com elizabeth.kunkel@urs.com wendy.pennington@urs.com
SAMPLER NAME(S) (Print): L Rathnow, D Mattingly
LAB USE ONLY: MC22664

TURNAROUND TIME (CALENDAR DAYS): STANDARD (10 DAY) | 5 DAYS | 3 DAYS | 2 DAYS | 24 HOURS | RESULTS NEEDED ON WEEKEND
LA - RWQCB REPORT FORMAT | UST AGENCY:
DELIVERABLES: LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 | OTHER (SPECIFY) EDD
TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

REQUESTED ANALYSIS

SPECIAL INSTRUCTIONS OR NOTES:
- Please include "J" values on Reports.
- Please provide sample receipt upon login.

SHELL CONTRACT RATE APPLIES
STATE REIMBURSEMENT RATE APPLIES
EDD NOT NEEDED
RECEIPT VERIFICATION REQUESTED
PROVIDE EDD DISK

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	SVOC 8270C SL+TICS	PAH 8270LL	PID (ppm)	Container PID Readings or Laboratory Notes
-1	MW24-ROX-071113	7/11/13	0900	water	2			2	2	6	X	X	X	X	0	
-2	P54-ROX-071113		0950		2			2	2	6	X	X	X	X		
-3	MW3-ROX-071113		1035		2			2	2	6	X	X	X	X		
-4	MW2-ROX-071113-EB		1050		2			2	2	6	X	X	X	X		
-5	MW2-ROX-071113		1135		2			2	2	6	X	X	X	X		
-6	ROST4PZC-ROX-071113		1315		2			2	2	6	X	X	X	X		
-7	ROST3MW-ROX-071113		1405		2			2	2	6	X	X	X	X		
-8	MW22-ROX-071113		1500		2			2	2	6	X	X	X	X		18D 582
-9	MW22-ROX-071113-DUP		1500		2			2	2	6	X	X	X	X		
-10	TB-ROX-071113-HCL		00:00		2					2	X					

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 0.6 - 0.4°C

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	FED EX	7/11/13	
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		7-12-13	930
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

05/1/06 Revision

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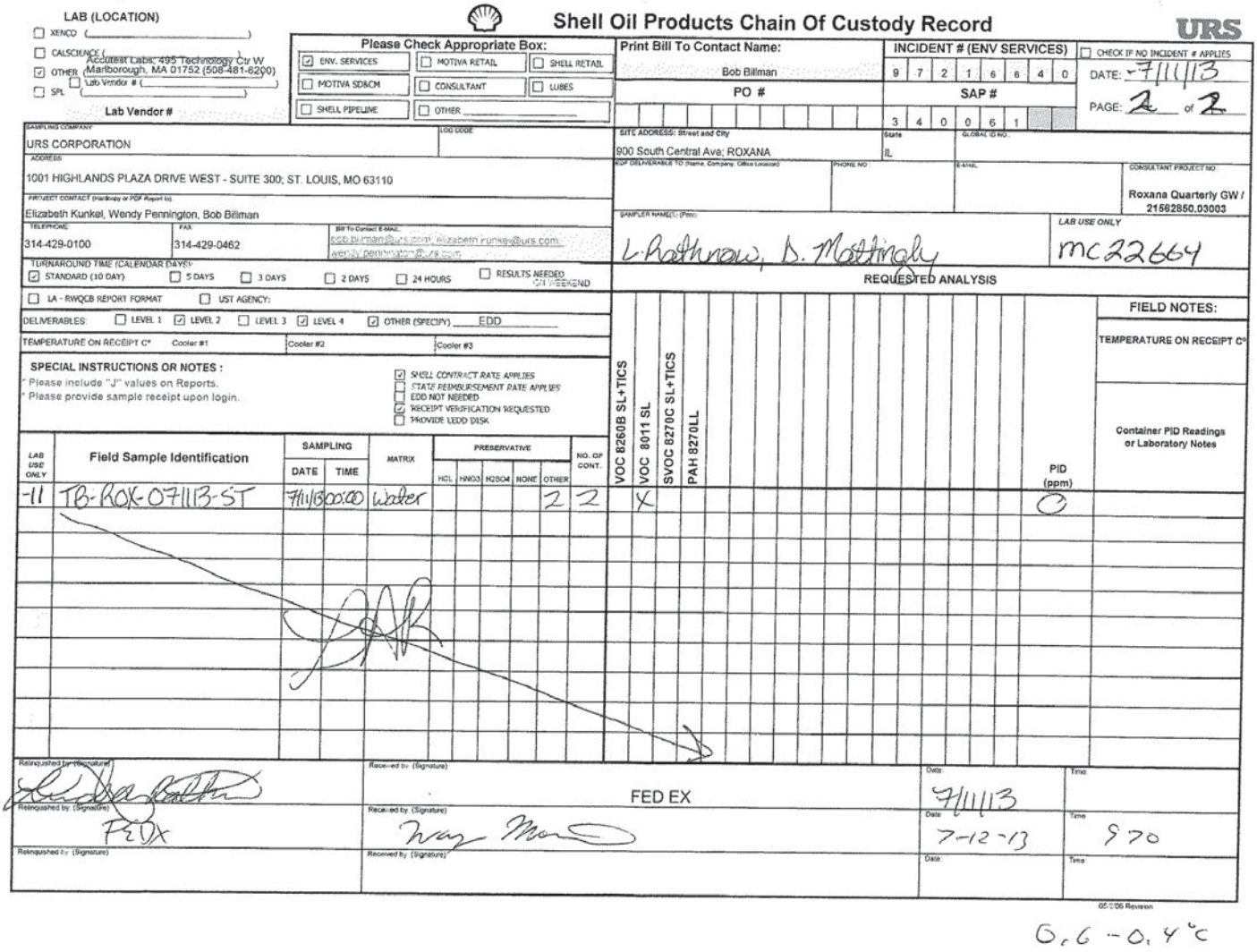
MC22664: Chain of Custody
Page 1 of 3



LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☑ OTHER (Accutest Labs, 495 Technology Ctr W Marlborough, MA 01752 (508-481-6200))
☐ SPL (_____)
Lab Vendor #: ☐ Lab Vendor # (_____)

Shell Oil Products Chain Of Custody Record

URS

Please Check Appropriate Box:
☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Bob Billman

INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 7/11/13
PAGE: 2 of 2

PO #
SAP #: 3 4 0 0 6 1

SAMPLING COMPANY: URS CORPORATION
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@urs.com; elizabeth.kunkel@urs.com; wendy.pennington@urs.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
GLOBAL ID NO.:
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO.: Roxana Quarterly GW / 21562850.03003

SAMPLER NAME(S) (Print): L. Rothrock, D. Mottingly
LAB USE ONLY: MC22664

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
" Please include "J" values on Reports.
" Please provide sample receipt upon login.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	SVOC 8270C SL+TICS	PAH 8270LL	PID (ppm)	Container PID Readings or Laboratory Notes
-11	TB-ROX-07113-ST	7/11/13	00:00	Water					2	2		X			0	

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) — Received by: (Signature): FED EX — Date: 7/11/13 — Time:
Relinquished by: (Signature): FEDX — Received by: (Signature) — Date: 7-12-13 — Time: 9:20
Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:

05/2006 Revision

0.6 - 0.4 °C

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MC22664: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC22664 **Client:** URS **Immediate Client Services Action Required:** No

Date / Time Received: 7/12/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 900 SOUTH CENTRAL AVE **No. Coolers:** 2 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

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5

MC22664: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22664

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22664-1 Collected: 11-JUL-13 09:00 By: LRDM Received: 12-JUL-13 By: MW24-ROX-071113						
MC22664-1	SW846 8270C	19-JUL-13 10:07	KR	15-JUL-13	MR	AB8270SL+
MC22664-1	SW846 8270C BY SIM	19-JUL-13 14:00	KR	15-JUL-13	MR	B8270SIMSL
MC22664-1	SW846 8260B	23-JUL-13 12:39	JB			V8260SL+
MC22664-1	SW846 8011	24-JUL-13 17:24	NK	23-JUL-13	BJ	V8011SL
MC22664-1	SW846 8270C	25-JUL-13 14:44	WK	23-JUL-13	PA	AB8270SL+
MC22664-2 Collected: 11-JUL-13 09:50 By: LRDM Received: 12-JUL-13 By: P54-ROX-071113						
MC22664-2	SW846 8270C	19-JUL-13 10:31	KR	15-JUL-13	MR	AB8270SL+
MC22664-2	SW846 8270C BY SIM	19-JUL-13 15:12	KR	15-JUL-13	MR	B8270SIMSL
MC22664-2	SW846 8260B	23-JUL-13 13:36	JB			V8260SL+
MC22664-2	SW846 8011	24-JUL-13 17:46	NK	23-JUL-13	BJ	V8011SL
MC22664-3 Collected: 11-JUL-13 10:35 By: LRDM Received: 12-JUL-13 By: MW3-ROX-071113						
MC22664-3	SW846 8270C	19-JUL-13 10:55	KR	15-JUL-13	MR	AB8270SL+
MC22664-3	SW846 8270C BY SIM	19-JUL-13 15:34	KR	15-JUL-13	MR	B8270SIMSL
MC22664-3	SW846 8260B	23-JUL-13 14:04	JB			V8260SL+
MC22664-3	SW846 8011	24-JUL-13 18:08	NK	23-JUL-13	BJ	V8011SL
MC22664-4 Collected: 11-JUL-13 10:50 By: LRDM Received: 12-JUL-13 By: MW2-ROX-071113-EB						
MC22664-4	SW846 8270C	19-JUL-13 11:19	KR	15-JUL-13	MR	AB8270SL+
MC22664-4	SW846 8270C BY SIM	19-JUL-13 15:56	KR	15-JUL-13	MR	B8270SIMSL
MC22664-4	SW846 8260B	23-JUL-13 14:32	JB			V8260SL+
MC22664-4	SW846 8011	24-JUL-13 18:31	NK	23-JUL-13	BJ	V8011SL
MC22664-5 Collected: 11-JUL-13 11:35 By: LRDM Received: 12-JUL-13 By: MW2-ROX-071113						
MC22664-5	SW846 8270C	19-JUL-13 11:43	KR	15-JUL-13	MR	AB8270SL+
MC22664-5	SW846 8270C BY SIM	19-JUL-13 16:18	KR	15-JUL-13	MR	B8270SIMSL
MC22664-5	SW846 8260B	23-JUL-13 15:00	JB			V8260SL+
MC22664-5	SW846 8260B	24-JUL-13 13:09	JB			V8260SL+

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22664

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22664-5	SW846 8011	24-JUL-13 18:54	NK	23-JUL-13	BJ	V8011SL
MC22664-6 Collected: 11-JUL-13 13:15 By: LRDM Received: 12-JUL-13 By: ROST4PZC-ROX-071113						
MC22664-6	SW846 8270C	19-JUL-13 12:07	KR	15-JUL-13	MR	AB8270SL+
MC22664-6	SW846 8270C BY SIM	19-JUL-13 16:40	KR	15-JUL-13	MR	B8270SIMSL
MC22664-6	SW846 8260B	23-JUL-13 15:29	JB			V8260SL+
MC22664-6	SW846 8011	24-JUL-13 19:17	NK	23-JUL-13	BJ	V8011SL
MC22664-7 Collected: 11-JUL-13 14:05 By: LRDM Received: 12-JUL-13 By: ROST3MW-ROX-071113						
MC22664-7	SW846 8270C	19-JUL-13 12:32	KR	15-JUL-13	MR	AB8270SL+
MC22664-7	SW846 8270C BY SIM	19-JUL-13 17:02	KR	15-JUL-13	MR	B8270SIMSL
MC22664-7	SW846 8260B	23-JUL-13 15:57	JB			V8260SL+
MC22664-7	SW846 8011	24-JUL-13 19:40	NK	23-JUL-13	BJ	V8011SL
MC22664-7	SW846 8270C	25-JUL-13 15:08	WK	23-JUL-13	PA	AB8270SL+
MC22664-8 Collected: 11-JUL-13 15:00 By: LRDM Received: 12-JUL-13 By: MW22-ROX-071113						
MC22664-8	SW846 8270C	19-JUL-13 12:56	KR	15-JUL-13	MR	AB8270SL+
MC22664-8	SW846 8270C BY SIM	19-JUL-13 17:24	KR	15-JUL-13	MR	B8270SIMSL
MC22664-8	SW846 8260B	23-JUL-13 16:25	JB			V8260SL+
MC22664-8	SW846 8260B	24-JUL-13 13:37	JB			V8260SL+
MC22664-8	SW846 8011	24-JUL-13 20:03	NK	23-JUL-13	BJ	V8011SL
MC22664-9 Collected: 11-JUL-13 15:00 By: LRDM Received: 12-JUL-13 By: MW22-ROX-071113-DUP						
MC22664-9	SW846 8270C	19-JUL-13 13:20	KR	15-JUL-13	MR	AB8270SL+
MC22664-9	SW846 8270C BY SIM	19-JUL-13 17:47	KR	15-JUL-13	MR	B8270SIMSL
MC22664-9	SW846 8260B	23-JUL-13 16:53	JB			V8260SL+
MC22664-9	SW846 8260B	24-JUL-13 14:05	JB			V8260SL+
MC22664-9	SW846 8011	24-JUL-13 20:48	NK	23-JUL-13	BJ	V8011SL
MC22664-10 Collected: 11-JUL-13 00:00 By: LRDM Received: 12-JUL-13 By: TB-ROX-071113-HCL						

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22664

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22664-10	SW846 8260B	23-JUL-13 10:46	JB			V8260SL+
MC22664-11	Collected: 11-JUL-13 00:00 By: LRDM TB-ROX-071113-ST		Received: 12-JUL-13 By:			
MC22664-15	SW846 8011	24-JUL-13 21:11	NK	23-JUL-13	BJ	V8011SL

SGS Accutest Internal Chain of Custody

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/12/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22664-1.1	Walk In Ref #22	Thomas Abruzzise	07/23/13 14:59	Retrieve from Storage
MC22664-1.1	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22664-1.2	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-1.2	Michael Rolo		08/02/13 07:19	Depleted
MC22664-1.4	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-1.4	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-1.4	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-1.4	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-1.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-1.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-1.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-2.1	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-2.1	Michael Rolo		08/02/13 07:19	Depleted
MC22664-2.4	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-2.4	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-2.4	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-2.4	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-2.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-2.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-2.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-3.2	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-3.2	Michael Rolo		08/02/13 07:19	Depleted
MC22664-3.4	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-3.4	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-3.4	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-3.4	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-3.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-3.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-3.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-4.2	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-4.2	Michael Rolo		08/02/13 07:19	Depleted
MC22664-4.3	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-4.3	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument

SGS Accutest Internal Chain of Custody

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/12/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22664-4.3	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-4.3	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-4.3	Scott Parsick		10/04/13 13:49	Disposed
MC22664-4.4	VOC Ref #5	Jaclyn Bergeron	07/24/13 09:45	Retrieve from Storage
MC22664-4.4	Jaclyn Bergeron	GCMSN	07/24/13 09:46	Load on Instrument
MC22664-4.4	GCMSN	Jaclyn Bergeron	07/30/13 09:00	Unload from Instrument
MC22664-4.4	Jaclyn Bergeron	VOC Ref #5	07/30/13 09:01	Return to Storage
MC22664-4.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-4.5	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-4.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-5.2	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-5.2	Michael Rolo		08/02/13 07:19	Depleted
MC22664-5.3	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-5.3	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-5.3	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-5.3	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-5.3	Scott Parsick		10/04/13 13:49	Disposed
MC22664-5.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-5.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-6.2	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-6.2	Michael Rolo		08/02/13 07:19	Depleted
MC22664-6.4	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-6.4	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-6.4	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-6.4	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-6.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-6.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-6.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-7.1	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-7.1	Michael Rolo		08/02/13 07:19	Depleted
MC22664-7.2	Walk In Ref #22	Thomas Abruzzise	07/23/13 14:59	Retrieve from Storage
MC22664-7.2	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22664-7.4	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage

SGS Accutest Internal Chain of Custody

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/12/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22664-7.4	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-7.4	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-7.4	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-7.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-7.5	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-7.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-8.1	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-8.1	Michael Rolo		08/02/13 07:19	Depleted
MC22664-8.3	VOC Ref #5	Jaclyn Bergeron	07/24/13 09:45	Retrieve from Storage
MC22664-8.3	Jaclyn Bergeron	GCMSN	07/24/13 09:46	Load on Instrument
MC22664-8.3	GCMSN	Jaclyn Bergeron	07/30/13 09:00	Unload from Instrument
MC22664-8.3	Jaclyn Bergeron	VOC Ref #5	07/30/13 09:01	Return to Storage
MC22664-8.3	Scott Parsick		10/04/13 13:49	Disposed
MC22664-8.4	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-8.4	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-8.4	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-8.4	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-8.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-8.5	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-8.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22664-9.1	Walk In Ref #22	Michael Rolo	07/15/13 07:05	Retrieve from Storage
MC22664-9.1	Michael Rolo		08/02/13 07:19	Depleted
MC22664-9.3	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-9.3	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-9.3	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-9.3	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:44	Return to Storage
MC22664-9.3	Scott Parsick		10/04/13 13:49	Disposed
MC22664-9.4	VOC Ref #5	Jaclyn Bergeron	07/24/13 09:45	Retrieve from Storage
MC22664-9.4	Jaclyn Bergeron	GCMSN	07/24/13 09:46	Load on Instrument
MC22664-9.4	GCMSN	Jaclyn Bergeron	07/30/13 09:00	Unload from Instrument
MC22664-9.4	Jaclyn Bergeron	VOC Ref #5	07/30/13 09:01	Return to Storage
MC22664-9.4	Scott Parsick		10/04/13 13:49	Disposed
MC22664-9.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-9.6	Bijan Jafari		07/23/13 18:13	Depleted

SGS Accutest Internal Chain of Custody

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/12/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22664-10.1	VOC Ref #5	Jaclyn Bergeron	07/23/13 09:49	Retrieve from Storage
MC22664-10.1	Jaclyn Bergeron	GCMSN	07/23/13 09:49	Load on Instrument
MC22664-10.1	GCMSN	Jaclyn Bergeron	07/24/13 09:44	Unload from Instrument
MC22664-10.1	Jaclyn Bergeron	VOC Ref #5	07/24/13 09:45	Return to Storage
MC22664-10.1	Scott Parsick		10/04/13 13:49	Disposed
MC22664-11.1	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22664-11.1	Bijan Jafari		07/23/13 18:13	Depleted

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2948-MB	N78527.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2948-MB	N78527.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2948-MB	N78527.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2949-MB1	N78578.D	1	07/24/13	JB	n/a	n/a	MSN2949

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-5, MC22664-8, MC22664-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.45	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2949-MB	N78552.D	1	07/23/13	JB	n/a	n/a	MSN2949

The QC reported here applies to the following samples: **Method:** SW846 8260B

MSN2949-BS1, MC22739-8MS, MC22739-8MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.45	ug/l	
100-41-4	Ethylbenzene	0.87	1.0	0.38	ug/l	J
108-88-3	Toluene	ND	1.0	0.46	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
	m,p-Xylene	2.0	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	2.0	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2948-BS	N78524.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	41.8	84	70-130
107-02-8	Acrolein	250	345	138* [a]	70-130
107-13-1	Acrylonitrile	50	44.4	89	70-130
71-43-2	Benzene	50	49.1	98	70-130
108-86-1	Bromobenzene	50	50.2	100	70-130
74-97-5	Bromochloromethane	50	49.4	99	70-130
75-27-4	Bromodichloromethane	50	60.7	121	70-130
75-25-2	Bromoform	50	44.8	90	70-130
74-83-9	Bromomethane	50	54.4	109	70-130
78-93-3	2-Butanone (MEK)	50	41.7	83	70-130
104-51-8	n-Butylbenzene	50	49.9	100	70-130
135-98-8	sec-Butylbenzene	50	54.7	109	70-130
98-06-6	tert-Butylbenzene	50	58.2	116	70-130
75-15-0	Carbon disulfide	50	47.4	95	70-130
56-23-5	Carbon tetrachloride	50	59.0	118	70-130
108-90-7	Chlorobenzene	50	49.0	98	70-130
75-00-3	Chloroethane	50	46.6	93	70-130
110-75-8	2-Chloroethyl vinyl ether	50	47.5	95	70-130
67-66-3	Chloroform	50	55.1	110	70-130
74-87-3	Chloromethane	50	54.1	108	70-130
95-49-8	o-Chlorotoluene	50	53.2	106	70-130
106-43-4	p-Chlorotoluene	50	56.2	112	70-130
124-48-1	Dibromochloromethane	50	47.1	94	70-130
95-50-1	1,2-Dichlorobenzene	50	54.8	110	70-130
541-73-1	1,3-Dichlorobenzene	50	52.3	105	70-130
106-46-7	1,4-Dichlorobenzene	50	50.2	100	70-130
75-71-8	Dichlorodifluoromethane	50	65.4	131* [a]	70-130
75-34-3	1,1-Dichloroethane	50	50.6	101	70-130
107-06-2	1,2-Dichloroethane	50	61.5	123	70-130
75-35-4	1,1-Dichloroethene	50	49.5	99	70-130
156-59-2	cis-1,2-Dichloroethene	50	47.6	95	70-130
156-60-5	trans-1,2-Dichloroethene	50	48.6	97	70-130
78-87-5	1,2-Dichloropropane	50	47.7	95	70-130
142-28-9	1,3-Dichloropropane	50	45.6	91	70-130
594-20-7	2,2-Dichloropropane	50	50.3	101	70-130
563-58-6	1,1-Dichloropropene	50	56.2	112	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2948-BS	N78524.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	44.2	88	70-130
10061-02-6	trans-1,3-Dichloropropene	50	47.0	94	70-130
123-91-1	1,4-Dioxane	250	218	87	70-130
97-63-2	Ethyl methacrylate	50	45.3	91	77-137
100-41-4	Ethylbenzene	50	48.0	96	70-130
87-68-3	Hexachlorobutadiene	50	50.1	100	70-130
591-78-6	2-Hexanone	50	40.7	81	70-130
98-82-8	Isopropylbenzene	50	54.7	109	70-130
99-87-6	p-Isopropyltoluene	50	53.9	108	70-130
1634-04-4	Methyl Tert Butyl Ether	50	46.6	93	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	46.0	92	70-130
74-95-3	Methylene bromide	50	52.7	105	70-130
75-09-2	Methylene chloride	50	46.6	93	70-130
91-20-3	Naphthalene	50	38.8	78	70-130
103-65-1	n-Propylbenzene	50	52.9	106	70-130
100-42-5	Styrene	50	44.5	89	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	49.1	98	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	47.7	95	70-130
127-18-4	Tetrachloroethene	50	51.0	102	70-130
108-88-3	Toluene	50	52.2	104	70-130
87-61-6	1,2,3-Trichlorobenzene	50	44.9	90	70-130
120-82-1	1,2,4-Trichlorobenzene	50	46.3	93	70-130
71-55-6	1,1,1-Trichloroethane	50	57.5	115	70-130
79-00-5	1,1,2-Trichloroethane	50	50.3	101	70-130
79-01-6	Trichloroethene	50	52.2	104	70-130
75-69-4	Trichlorofluoromethane	50	58.0	116	70-130
96-18-4	1,2,3-Trichloropropane	50	43.1	86	70-130
95-63-6	1,2,4-Trimethylbenzene	50	50.0	100	70-130
108-67-8	1,3,5-Trimethylbenzene	50	50.1	100	70-130
108-05-4	Vinyl Acetate	50	37.2	74	70-130
75-01-4	Vinyl chloride	50	41.1	82	70-130
	m,p-Xylene	100	97.8	98	70-130
95-47-6	o-Xylene	50	52.1	104	70-130
1330-20-7	Xylene (total)	150	150	100	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2948-BS	N78524.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSN2949-BS1	N78575.D	1	07/24/13	JB	n/a	n/a	MSN2949

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-5, MC22664-8, MC22664-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.7	103	70-130
100-41-4	Ethylbenzene	50	50.4	101	70-130
108-88-3	Toluene	50	53.6	107	70-130
95-63-6	1,2,4-Trimethylbenzene	50	53.2	106	70-130
	m,p-Xylene	100	102	102	70-130
95-47-6	o-Xylene	50	54.2	108	70-130
1330-20-7	Xylene (total)	150	157	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22702-4MS	N78547.D	1	07/23/13	JB	n/a	n/a	MSN2948
MC22702-4MSD	N78548.D	1	07/23/13	JB	n/a	n/a	MSN2948
MC22702-4	N78531.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Compound	MC22702-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	27.1	54* [a]	50	27.5	55* [a]	1	70-130/30
107-02-8	Acrolein	ND		250	288	115	250	293	117	2	70-130/30
107-13-1	Acrylonitrile	ND		50	43.5	87	50	43.3	87	0	70-130/30
71-43-2	Benzene	ND		50	49.9	100	50	51.0	102	2	70-130/30
108-86-1	Bromobenzene	ND		50	55.0	110	50	52.6	105	4	70-130/30
74-97-5	Bromochloromethane	ND		50	51.8	104	50	52.6	105	2	70-130/30
75-27-4	Bromodichloromethane	ND		50	55.9	112	50	55.5	111	1	70-130/30
75-25-2	Bromoform	ND		50	43.8	88	50	44.5	89	2	70-130/30
74-83-9	Bromomethane	ND		50	57.5	115	50	64.6	129	12	70-130/30
78-93-3	2-Butanone (MEK)	ND		50	32.8	66* [a]	50	33.1	66* [a]	1	70-130/30
104-51-8	n-Butylbenzene	ND		50	51.2	102	50	50.8	102	1	70-130/30
135-98-8	sec-Butylbenzene	ND		50	55.9	112	50	56.6	113	1	70-130/30
98-06-6	tert-Butylbenzene	ND		50	57.4	115	50	58.0	116	1	70-130/30
75-15-0	Carbon disulfide	ND		50	48.0	96	50	49.9	100	4	70-130/30
56-23-5	Carbon tetrachloride	ND		50	51.8	104	50	52.5	105	1	70-130/30
108-90-7	Chlorobenzene	ND		50	50.0	100	50	51.8	104	4	70-130/30
75-00-3	Chloroethane	ND		50	49.3	99	50	51.5	103	4	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		50	47.1	94	50	48.3	97	3	70-130/30
67-66-3	Chloroform	ND		50	53.1	106	50	55.1	110	4	70-130/30
74-87-3	Chloromethane	ND		50	48.9	98	50	52.2	104	7	70-130/30
95-49-8	o-Chlorotoluene	ND		50	54.6	109	50	55.1	110	1	70-130/30
106-43-4	p-Chlorotoluene	ND		50	56.4	113	50	57.6	115	2	70-130/30
124-48-1	Dibromochloromethane	ND		50	45.6	91	50	47.8	96	5	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50	55.3	111	50	56.0	112	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50	53.3	107	50	53.9	108	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50	50.5	101	50	51.1	102	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50	59.1	118	50	59.1	118	0	70-130/30
75-34-3	1,1-Dichloroethane	ND		50	51.5	103	50	52.8	106	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		50	53.9	108	50	52.4	105	3	70-130/30
75-35-4	1,1-Dichloroethene	ND		50	50.3	101	50	52.0	104	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50	48.5	97	50	51.1	102	5	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50	51.0	102	50	53.3	107	4	70-130/30
78-87-5	1,2-Dichloropropane	ND		50	47.3	95	50	48.4	97	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		50	46.4	93	50	47.5	95	2	70-130/30
594-20-7	2,2-Dichloropropane	ND		50	48.9	98	50	48.7	97	0	70-130/30
563-58-6	1,1-Dichloropropene	ND		50	54.7	109	50	54.6	109	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22702-4MS	N78547.D	1	07/23/13	JB	n/a	n/a	MSN2948
MC22702-4MSD	N78548.D	1	07/23/13	JB	n/a	n/a	MSN2948
MC22702-4	N78531.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Compound	MC22702-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		50	43.3	87	50	43.6	87	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50	44.8	90	50	44.4	89	1	70-130/30
123-91-1	1,4-Dioxane	ND		250	206	82	250	221	88	7	70-130/30
97-63-2	Ethyl methacrylate	ND		50	46.3	93	50	44.6	89	4	72-139/30
100-41-4	Ethylbenzene	ND		50	53.9	108	50	52.9	106	2	70-130/30
87-68-3	Hexachlorobutadiene	ND		50	47.0	94	50	48.0	96	2	70-130/30
591-78-6	2-Hexanone	ND		50	31.8	64* [a]	50	33.6	67* [a]	6	70-130/30
98-82-8	Isopropylbenzene	ND		50	57.0	114	50	57.8	116	1	70-130/30
99-87-6	p-Isopropyltoluene	ND		50	54.5	109	50	55.4	111	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		50	48.5	97	50	49.4	99	2	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	41.7	83	50	39.1	78	6	70-130/30
74-95-3	Methylene bromide	ND		50	49.0	98	50	50.8	102	4	70-130/30
75-09-2	Methylene chloride	ND		50	49.9	100	50	50.2	100	1	70-130/30
91-20-3	Naphthalene	ND		50	50.2	100	50	46.5	93	8	70-130/30
103-65-1	n-Propylbenzene	ND		50	57.5	115	50	55.9	112	3	70-130/30
100-42-5	Styrene	ND		50	45.7	91	50	47.0	94	3	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	48.0	96	50	49.6	99	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	50.2	100	50	49.3	99	2	70-130/30
127-18-4	Tetrachloroethene	ND		50	49.7	99	50	51.5	103	4	70-130/30
108-88-3	Toluene	ND		50	52.7	105	50	53.1	106	1	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		50	46.8	94	50	47.4	95	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50	48.1	96	50	48.4	97	1	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50	53.8	108	50	55.3	111	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50	52.0	104	50	49.6	99	5	70-130/30
79-01-6	Trichloroethene	ND		50	52.6	105	50	52.3	105	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		50	51.9	104	50	53.8	108	4	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		50	45.7	91	50	45.6	91	0	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		50	55.8	112	50	54.6	109	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		50	52.3	105	50	52.0	104	1	70-130/30
108-05-4	Vinyl Acetate	ND		50	32.3	65* [a]	50	32.4	65* [a]	0	70-130/30
75-01-4	Vinyl chloride	ND		50	41.4	83	50	43.1	86	4	70-130/30
	m,p-Xylene	ND		100	107	107	100	107	107	0	70-130/30
95-47-6	o-Xylene	ND		50	52.9	106	50	54.2	108	2	70-130/30
1330-20-7	Xylene (total)	ND		150	160	107	150	161	107	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22702-4MS	N78547.D	1	07/23/13	JB	n/a	n/a	MSN2948
MC22702-4MSD	N78548.D	1	07/23/13	JB	n/a	n/a	MSN2948
MC22702-4	N78531.D	1	07/23/13	JB	n/a	n/a	MSN2948

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-10

CAS No.	Surrogate Recoveries	MS	MSD	MC22702-4	Limits
1868-53-7	Dibromofluoromethane	94%	96%	100%	70-130%
2037-26-5	Toluene-D8	100%	99%	100%	70-130%
460-00-4	4-Bromofluorobenzene	97%	99%	108%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22739-8MS	N78561.D	5	07/24/13	JB	n/a	n/a	MSN2949
MC22739-8MSD	N78562.D	5	07/24/13	JB	n/a	n/a	MSN2949
MC22739-8 [a]	N78579.D	1	07/24/13	JB	n/a	n/a	MSN2949

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22664-5, MC22664-8, MC22664-9

CAS No.	Compound	MC22739-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.6		250	252	100	250	255	101	1	70-130/30
100-41-4	Ethylbenzene	7.9		250	251	97	250	250	97	0	70-130/30
108-88-3	Toluene	ND		250	262	105	250	262	105	0	70-130/30
95-63-6	1,2,4-Trimethylbenzene	29.2		250	281	101	250	274	98	3	70-130/30
	m,p-Xylene	8.3		500	515	101	500	503	99	2	70-130/30
95-47-6	o-Xylene	13.7		250	273	104	250	271	103	1	70-130/30
1330-20-7	Xylene (total)	22.0		750	789	102	750	774	100	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC22739-8	Limits
1868-53-7	Dibromofluoromethane	96%	95%	97%	70-130%
2037-26-5	Toluene-D8	102%	101%	100%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	100%	70-130%

(a) Chloromethane(SPCC)does not meet the reference method acceptance criteria in instrument QC and results may be biased low.

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSN2948-CC2927	**Injection Date:**	07/23/13
Lab File ID:	N78523.D	**Injection Time:**	08:25
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	123260	9.01	189051	9.88	109175	13.13	91168	15.69	52372	6.57
Upper Limit [a]	246520	9.51	378102	10.38	218350	13.63	182336	16.19	104744	7.07
Lower Limit [b]	61630	8.51	94526	9.38	54588	12.63	45584	15.19	26186	6.07

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN2948-BS	126579	9.01	192838	9.88	109594	13.13	93347	15.69	57397	6.57
MSN2948-MB	109169	9.01	167471	9.88	90443	13.13	67488	15.69	50772	6.59
MC22664-10	124881	9.01	189683	9.88	100218	13.13	76506	15.69	56175	6.58
ZZZZZZ	121776	9.01	186535	9.88	100417	13.13	76659	15.69	53446	6.58
ZZZZZZ	120841	9.01	186352	9.87	99111	13.13	74711	15.69	49707	6.59
MC22702-4	120897	9.01	187197	9.88	100330	13.13	73879	15.69	52364	6.58
MC22664-1	123592	9.01	185916	9.88	99469	13.13	75144	15.69	53344	6.58
ZZZZZZ	120998	9.01	184998	9.88	98865	13.13	74412	15.69	56305	6.58
MC22664-2	118799	9.01	185671	9.88	97651	13.13	72211	15.69	48716	6.59
MC22664-3	121450	9.01	185587	9.88	99096	13.13	76103	15.69	48146	6.58
MC22664-4	118545	9.01	182117	9.88	96546	13.13	74820	15.69	52278	6.59
MC22664-5	136079	9.01	211137	9.87	119474	13.13	105377	15.69	76733	6.57
MC22664-6	123707	9.01	192629	9.88	102687	13.13	81797	15.69	57843	6.59
MC22664-7	139600	9.01	218705	9.88	112546	13.13	91677	15.69	62715	6.58
MC22664-8	157424	9.01	253410	9.87	141123	13.13	124924	15.69	85661	6.57
MC22664-9	164384	9.01	268021	9.88	147385	13.13	128202	15.69	87793	6.57
ZZZZZZ	171592	9.01	259880	9.87	140206	13.13	131933	15.69	95058	6.57
MC22702-4MS	171032	9.01	264993	9.87	146070	13.13	117822	15.69	70716	6.57
MC22702-4MSD	168157	9.01	267904	9.88	142677	13.13	118759	15.69	69574	6.57

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSN2949-CC2927	**Injection Date:**	07/23/13
Lab File ID:	N78550.D	**Injection Time:**	21:07
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	164501	9.01	258586	9.88	142011	13.13	115814	15.69	66028	6.57
Upper Limit [a]	329002	9.51	517172	10.38	284022	13.63	231628	16.19	132056	7.07
Lower Limit [b]	82251	8.51	129293	9.38	71006	12.63	57907	15.19	33014	6.07

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSN2949-BS	164501	9.01	258586	9.88	142011	13.13	115814	15.69	66028	6.57
MSN2949-MB	161930	9.01	250217	9.88	129660	13.13	102132	15.69	65680	6.58
ZZZZZZ	147171	9.01	225907	9.87	124865	13.13	112644	15.69	69377	6.57
ZZZZZZ	156274	9.01	237661	9.88	131139	13.13	117887	15.69	59272	6.57
MC22739-8MS	158590	9.01	245086	9.88	136416	13.13	111886	15.69	72203	6.57
MC22739-8MSD	158851	9.01	242116	9.87	135390	13.13	110166	15.69	66230	6.57
ZZZZZZ	151823	9.01	229743	9.88	121825	13.13	94027	15.69	67898	6.59
ZZZZZZ	145025	9.01	222053	9.88	116499	13.13	90217	15.69	61349	6.58
ZZZZZZ	145767	9.01	223171	9.88	117695	13.13	88649	15.69	57211	6.58
ZZZZZZ	144891	9.01	222887	9.88	116387	13.13	88086	15.69	55692	6.58
ZZZZZZ	142626	9.01	215825	9.87	112541	13.13	89690	15.69	59025	6.58
ZZZZZZ	142210	9.01	217334	9.88	113828	13.13	90210	15.69	57850	6.59
ZZZZZZ	139169	9.01	212751	9.88	113179	13.13	86314	15.69	60258	6.58
ZZZZZZ	137222	9.01	210000	9.87	114132	13.13	87111	15.69	57002	6.58

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSN2949-CC2927	**Injection Date:**	07/24/13
Lab File ID:	N78574.D	**Injection Time:**	08:27
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	141213	9.01	212979	9.88	119583	13.13	99343	15.69	57246	6.57
Upper Limit [a]	282426	9.51	425958	10.38	239166	13.63	198686	16.19	114492	7.07
Lower Limit [b]	70607	8.51	106490	9.38	59792	12.63	49672	15.19	28623	6.07
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
MSN2949-BS1	137882	9.01	211755	9.88	119198	13.13	99126	15.69	58972	6.57
MSN2949-MB1	138319	9.01	213161	9.88	112094	13.13	85440	15.69	64627	6.58
MC22739-8	135549	9.01	209728	9.88	112914	13.13	90080	15.69	58113	6.58
ZZZZZZ	135252	9.01	209367	9.88	109695	13.13	87201	15.69	56015	6.58
ZZZZZZ	134188	9.01	206684	9.88	108869	13.13	86583	15.69	58964	6.58
ZZZZZZ	132376	9.01	206481	9.88	109389	13.13	84197	15.69	52660	6.58
ZZZZZZ	134725	9.01	208276	9.88	111830	13.13	96821	15.69	64924	6.56
MC22664-5	140832	9.01	214499	9.88	113152	13.13	91288	15.69	57129	6.57
MC22664-8	128948	9.01	199216	9.88	104414	13.13	81547	15.69	55799	6.58
MC22664-9	137830	9.01	211970	9.88	111171	13.13	90275	15.69	56677	6.57
ZZZZZZ	136120	9.01	210322	9.87	112999	13.13	89143	15.69	57328	6.58

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22664-1	N78532.D	95	100	105
MC22664-2	N78534.D	97	99	107
MC22664-3	N78535.D	97	102	108
MC22664-4	N78536.D	100	102	105
MC22664-5	N78537.D	92	103	101
MC22664-5	N78584.D	95	100	103
MC22664-6	N78538.D	98	102	100
MC22664-7	N78539.D	97	98	101
MC22664-8	N78540.D	94	98	97
MC22664-8	N78585.D	96	100	100
MC22664-9	N78541.D	96	97	102
MC22664-9	N78586.D	95	100	99
MC22664-10	N78528.D	98	102	107
MC22702-4MS	N78547.D	94	100	97
MC22702-4MSD	N78548.D	96	99	99
MC22739-8MS	N78561.D	96	102	99
MC22739-8MSD	N78562.D	95	101	98
MSN2948-BS	N78524.D	98	102	95
MSN2948-MB	N78527.D	99	102	106
MSN2949-BS1	N78575.D	95	101	95
MSN2949-MB1	N78578.D	97	101	101
MSN2949-MB	N78552.D	93	101	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34009-MB	F65708.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.64	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.20	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.85	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.57	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.92	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.23	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.13	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.65	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.68	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.50	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.39	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	0.43	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	0.50	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.50	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.30	ug/l	

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34009-MB	F65708.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	Result	RL	MDL	Units	Q
77-47-4	Hexachlorocyclopentadiene	ND	10	2.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.44	ug/l	
78-59-1	Isophorone	ND	5.0	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.3	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.81	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.54	ug/l	
110-86-1	Pyridine	ND	10	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	35%	15-110%
4165-62-2	Phenol-d5	25%	15-110%
118-79-6	2,4,6-Tribromophenol	72%	15-110%
4165-60-0	Nitrobenzene-d5	68%	30-130%
321-60-8	2-Fluorobiphenyl	49%	30-130%
1718-51-0	Terphenyl-d14	83%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-MB	R32367.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-7

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	51%	15-110%
4165-62-2	Phenol-d5	18%	15-110%
118-79-6	2,4,6-Tribromophenol	89%	15-110%
4165-60-0	Nitrobenzene-d5	78%	30-130%
321-60-8	2-Fluorobiphenyl	91%	30-130%
1718-51-0	Terphenyl-d14	86%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile			ug/l	

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34010-MB	W14024.D	1	07/19/13	KR	07/15/13	OP34010	MSW635

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.10	0.014	ug/l	
208-96-8	Acenaphthylene	ND	0.10	0.013	ug/l	
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	0.030	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.017	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.059	ug/l	
218-01-9	Chrysene	ND	0.10	0.073	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.042	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.033	ug/l	
86-73-7	Fluorene	ND	0.10	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.046	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	0.052	ug/l	
85-01-8	Phenanthrene	0.030	0.050	0.013	ug/l	J
129-00-0	Pyrene	ND	0.10	0.036	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	68%	30-130%
321-60-8	2-Fluorobiphenyl	52%	30-130%
1718-51-0	Terphenyl-d14	82%	30-130%

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34009-BS	F65709.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	13.0	26* [a]	30-130
95-57-8	2-Chlorophenol	50	27.8	56	30-130
59-50-7	4-Chloro-3-methyl phenol	50	36.6	73	30-130
120-83-2	2,4-Dichlorophenol	50	34.2	68	30-130
105-67-9	2,4-Dimethylphenol	50	32.4	65	30-130
51-28-5	2,4-Dinitrophenol	50	30.2	60	30-130
534-52-1	4,6-Dinitro-o-cresol	50	38.4	77	30-130
95-48-7	2-Methylphenol	50	27.6	55	30-130
	3&4-Methylphenol	100	48.8	49	30-130
88-75-5	2-Nitrophenol	50	34.2	68	30-130
100-02-7	4-Nitrophenol	50	16.1	32	30-130
87-86-5	Pentachlorophenol	50	34.8	70	30-130
108-95-2	Phenol	50	13.2	26* [a]	30-130
95-95-4	2,4,5-Trichlorophenol	50	37.5	75	30-130
88-06-2	2,4,6-Trichlorophenol	50	35.1	70	30-130
62-53-3	Aniline	50	27.2	54	40-140
101-55-3	4-Bromophenyl phenyl ether	50	45.6	91	40-140
85-68-7	Butyl benzyl phthalate	50	48.7	97	40-140
100-51-6	Benzyl Alcohol	50	31.8	64	40-140
91-58-7	2-Chloronaphthalene	50	37.1	74	40-140
106-47-8	4-Chloroaniline	50	38.2	76	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	41.4	83	40-140
111-44-4	bis(2-Chloroethyl)ether	50	37.3	75	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	42.8	86	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	46.4	93	40-140
122-66-7	1,2-Diphenylhydrazine	50	45.3	91	40-140
121-14-2	2,4-Dinitrotoluene	50	51.9	104	40-140
606-20-2	2,6-Dinitrotoluene	50	46.0	92	40-140
91-94-1	3,3'-Dichlorobenzidine	50	41.0	82	40-140
132-64-9	Dibenzofuran	50	42.4	85	40-140
84-74-2	Di-n-butyl phthalate	50	48.7	97	40-140
117-84-0	Di-n-octyl phthalate	50	53.2	106	40-140
84-66-2	Diethyl phthalate	50	39.3	79	40-140
131-11-3	Dimethyl phthalate	50	22.7	45	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	52.4	105	40-140
118-74-1	Hexachlorobenzene	50	47.3	95	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34009-BS	F65709.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
77-47-4	Hexachlorocyclopentadiene	50	12.8	26* [a]	40-140
67-72-1	Hexachloroethane	50	17.8	36* [a]	40-140
78-59-1	Isophorone	50	43.4	87	40-140
88-74-4	2-Nitroaniline	50	47.9	96	40-140
99-09-2	3-Nitroaniline	50	45.4	91	40-140
100-01-6	4-Nitroaniline	50	47.1	94	40-140
98-95-3	Nitrobenzene	50	39.0	78	40-140
62-75-9	n-Nitrosodimethylamine	50	21.4	43	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	43.1	86	40-140
86-30-6	N-Nitrosodiphenylamine	50	44.1	88	40-140
110-86-1	Pyridine	50	17.3	35* [a]	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	34%	15-110%
4165-62-2	Phenol-d5	26%	15-110%
118-79-6	2,4,6-Tribromophenol	80%	15-110%
4165-60-0	Nitrobenzene-d5	72%	30-130%
321-60-8	2-Fluorobiphenyl	63%	30-130%
1718-51-0	Terphenyl-d14	87%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-BS	R32368.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	19.0	38	30-130
95-57-8	2-Chlorophenol	50	45.0	90	30-130
59-50-7	4-Chloro-3-methyl phenol	50	49.4	99	30-130
120-83-2	2,4-Dichlorophenol	50	47.1	94	30-130
105-67-9	2,4-Dimethylphenol	50	42.5	85	30-130
51-28-5	2,4-Dinitrophenol	50	37.2	74	30-130
534-52-1	4,6-Dinitro-o-cresol	50	46.6	93	30-130
95-48-7	2-Methylphenol	50	40.7	81	30-130
	3&4-Methylphenol	100	74.6	75	30-130
88-75-5	2-Nitrophenol	50	48.9	98	30-130
100-02-7	4-Nitrophenol	50	19.9	40	30-130
87-86-5	Pentachlorophenol	50	43.0	86	30-130
108-95-2	Phenol	50	22.8	46	30-130
95-95-4	2,4,5-Trichlorophenol	50	52.7	105	30-130
88-06-2	2,4,6-Trichlorophenol	50	51.6	103	30-130

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	56%	15-110%
4165-62-2	Phenol-d5	20%	15-110%
118-79-6	2,4,6-Tribromophenol	99%	15-110%
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	91%	30-130%
1718-51-0	Terphenyl-d14	89%	30-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34010-BS	W14025.D	1	07/19/13	KR	07/15/13	OP34010	MSW635

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	41.7	83	40-140
208-96-8	Acenaphthylene	50	34.8	70	40-140
120-12-7	Anthracene	50	44.9	90	40-140
56-55-3	Benzo(a)anthracene	50	50.0	100	40-140
50-32-8	Benzo(a)pyrene	50	46.9	94	40-140
205-99-2	Benzo(b)fluoranthene	50	51.4	103	40-140
191-24-2	Benzo(g,h,i)perylene	50	52.2	104	40-140
207-08-9	Benzo(k)fluoranthene	50	48.6	97	40-140
218-01-9	Chrysene	50	46.9	94	40-140
53-70-3	Dibenzo(a,h)anthracene	50	52.0	104	40-140
206-44-0	Fluoranthene	50	49.1	98	40-140
86-73-7	Fluorene	50	45.4	91	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	51.1	102	40-140
90-12-0	1-Methylnaphthalene	50	33.6	67	40-140
91-57-6	2-Methylnaphthalene	50	31.0	62	40-140
85-01-8	Phenanthrene	50	45.3	91	40-140
129-00-0	Pyrene	50	46.8	94	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	70%	30-130%
321-60-8	2-Fluorobiphenyl	65%	30-130%
1718-51-0	Terphenyl-d14	87%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34009-MS	F65710.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
OP34009-MSD	F65711.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
MC22548-18	F65712.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044

The QC reported here applies to the following samples: Method: SW846 8270C

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	MC22548-18 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		50	14.6	29* [a]	50	14.8	30	1	30-130/20
95-57-8	2-Chlorophenol	ND		50	27.8	56	50	29.8	60	7	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		50	35.4	71	50	38.1	76	7	30-130/20
120-83-2	2,4-Dichlorophenol	ND		50	32.9	66	50	34.7	69	5	30-130/20
105-67-9	2,4-Dimethylphenol	ND		50	32.0	64	50	33.8	68	5	30-130/20
51-28-5	2,4-Dinitrophenol	ND		50	31.8	64	50	33.2	66	4	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		50	39.9	80	50	42.3	85	6	30-130/20
95-48-7	2-Methylphenol	ND		50	27.7	55	50	29.7	59	7	30-130/20
	3&4-Methylphenol	ND		100	50.4	50	100	53.7	54	6	30-130/20
88-75-5	2-Nitrophenol	ND		50	32.2	64	50	34.6	69	7	30-130/20
100-02-7	4-Nitrophenol	ND		50	16.6	33	50	17.4	35	5	30-130/20
87-86-5	Pentachlorophenol	ND		50	35.4	71	50	37.0	74	4	30-130/20
108-95-2	Phenol	ND		50	16.1	32	50	14.7	29* [a]	9	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		50	37.8	76	50	38.9	78	3	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		50	35.2	70	50	36.5	73	4	30-130/20
62-53-3	Aniline	ND		50	26.8	54	50	27.2	54	1	40-140/20
101-55-3	4-Bromophenyl phenyl ether	ND		50	40.2	80	50	41.6	83	3	40-140/20
85-68-7	Butyl benzyl phthalate	ND		50	47.1	94	50	49.0	98	4	40-140/20
100-51-6	Benzyl Alcohol	ND		50	31.8	64	50	34.0	68	7	40-140/20
91-58-7	2-Chloronaphthalene	ND		50	20.3	41	50	21.8	44	7	40-140/20
106-47-8	4-Chloroaniline	ND		50	36.0	72	50	38.3	77	6	40-140/20
111-91-1	bis(2-Chloroethoxy)methane	ND		50	38.1	76	50	39.4	79	3	40-140/20
111-44-4	bis(2-Chloroethyl)ether	ND		50	34.2	68	50	36.1	72	5	40-140/20
108-60-1	bis(2-Chloroisopropyl)ether	ND		50	34.6	69	50	37.1	74	7	40-140/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		50	37.0	74	50	37.9	76	2	40-140/20
122-66-7	1,2-Diphenylhydrazine	ND		50	39.6	79	50	41.7	83	5	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		50	51.7	103	50	51.3	103	1	40-140/20
606-20-2	2,6-Dinitrotoluene	ND		50	44.8	90	50	46.3	93	3	40-140/20
91-94-1	3,3'-Dichlorobenzidine	ND		50	40.9	82	50	43.0	86	5	40-140/20
132-64-9	Dibenzofuran	ND		50	31.8	64	50	32.5	65	2	40-140/20
84-74-2	Di-n-butyl phthalate	ND		50	47.0	94	50	49.3	99	5	40-140/20
117-84-0	Di-n-octyl phthalate	ND		50	54.0	108	50	55.7	111	3	40-140/20
84-66-2	Diethyl phthalate	ND		50	35.1	70	50	39.4	79	12	40-140/20
131-11-3	Dimethyl phthalate	ND		50	16.2	32* [a]	50	22.5	45	33* [b]	40-140/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		50	51.7	103	50	53.9	108	4	40-140/20
118-74-1	Hexachlorobenzene	ND		50	43.8	88	50	46.0	92	5	40-140/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34009-MS	F65710.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
OP34009-MSD	F65711.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044
MC22548-18	F65712.D	1	07/19/13	KR	07/15/13	OP34009	MSF3044

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	MC22548-18 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
77-47-4	Hexachlorocyclopentadiene	ND		50	5.1	10* [a]	50	5.7	11* [a]	11	40-140/20
67-72-1	Hexachloroethane	ND		50	9.8	20* [a]	50	11.0	22* [a]	12	40-140/20
78-59-1	Isophorone	ND		50	39.7	79	50	41.3	83	4	40-140/20
88-74-4	2-Nitroaniline	ND		50	47.0	94	50	48.2	96	3	40-140/20
99-09-2	3-Nitroaniline	ND		50	45.0	90	50	46.8	94	4	40-140/20
100-01-6	4-Nitroaniline	ND		50	47.9	96	50	48.3	97	1	40-140/20
98-95-3	Nitrobenzene	ND		50	33.7	67	50	36.1	72	7	40-140/20
62-75-9	n-Nitrosodimethylamine	ND		50	20.7	41	50	21.9	44	6	40-140/20
621-64-7	N-Nitroso-di-n-propylamine	ND		50	41.1	82	50	41.5	83	1	40-140/20
86-30-6	N-Nitrosodiphenylamine	ND		50	42.2	84	50	43.5	87	3	40-140/20
110-86-1	Pyridine	ND		50	16.9	34* [a]	50	18.2	36* [a]	7	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22548-18	Limits
367-12-4	2-Fluorophenol	35%	38%	39%	15-110%
4165-62-2	Phenol-d5	26%	28%	27%	15-110%
118-79-6	2,4,6-Tribromophenol	78%	85%	76%	15-110%
4165-60-0	Nitrobenzene-d5	67%	72%	73%	30-130%
321-60-8	2-Fluorobiphenyl	52%	53%	55%	30-130%
1718-51-0	Terphenyl-d14	84%	88%	91%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible sample nonhomogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-MS	R32369.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
OP34099-MSD	R32370.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
MC22900-7	R32371.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22664-1, MC22664-7

CAS No.	Compound	MC22900-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		50	18.4	37	50	16.5	33	11	30-130/20
95-57-8	2-Chlorophenol	ND		50	43.5	87	50	39.1	78	11	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		50	45.9	92	50	44.2	88	4	30-130/20
120-83-2	2,4-Dichlorophenol	ND		50	45.5	91	50	42.2	84	8	30-130/20
105-67-9	2,4-Dimethylphenol	ND		50	37.4	75	50	34.6	69	8	30-130/20
51-28-5	2,4-Dinitrophenol	ND		50	36.2	72	50	35.3	71	3	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		50	48.0	96	50	45.7	91	5	30-130/20
95-48-7	2-Methylphenol	ND		50	38.9	78	50	35.9	72	8	30-130/20
	3&4-Methylphenol	ND		100	72.2	72	100	64.7	65	11	30-130/20
88-75-5	2-Nitrophenol	ND		50	46.1	92	50	42.5	85	8	30-130/20
100-02-7	4-Nitrophenol	ND		50	19.5	39	50	19.4	39	1	30-130/20
87-86-5	Pentachlorophenol	ND		50	44.2	88	50	43.2	86	2	30-130/20
108-95-2	Phenol	ND		50	18.7	37	50	16.6	33	12	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		50	50.7	101	50	50.9	102	0	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		50	49.1	98	50	48.7	97	1	30-130/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-7	Limits
367-12-4	2-Fluorophenol	52%	48%	43%	15-110%
4165-62-2	Phenol-d5	19%	18%	15%	15-110%
118-79-6	2,4,6-Tribromophenol	100%	95%	75%	15-110%
4165-60-0	Nitrobenzene-d5	75%	70%	62%	30-130%
321-60-8	2-Fluorobiphenyl	87%	86%	74%	30-130%
1718-51-0	Terphenyl-d14	88%	84%	81%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34010-MS	W14026.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
OP34010-MSD	W14027.D	1	07/19/13	KR	07/15/13	OP34010	MSW635
MC22548-19	W14028.D	1	07/19/13	KR	07/15/13	OP34010	MSW635

The QC reported here applies to the following samples: Method: SW846 8270C BY SIM

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9

CAS No.	Compound	MC22548-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.057	J	50	28.3	56	50	30.0	60	6	40-140/20
208-96-8	Acenaphthylene	0.033	J	50	24.7	49	50	26.0	52	5	40-140/20
120-12-7	Anthracene	ND		50	43.1	86	50	44.1	88	2	40-140/20
56-55-3	Benzo(a)anthracene	ND		50	49.5	99	50	50.6	101	2	40-140/20
50-32-8	Benzo(a)pyrene	ND		50	46.6	93	50	47.2	94	1	40-140/20
205-99-2	Benzo(b)fluoranthene	ND		50	50.9	102	50	53.4	107	5	40-140/20
191-24-2	Benzo(g,h,i)perylene	ND		50	52.0	104	50	52.4	105	1	40-140/20
207-08-9	Benzo(k)fluoranthene	ND		50	47.8	96	50	47.4	95	1	40-140/20
218-01-9	Chrysene	ND		50	46.3	93	50	47.3	95	2	40-140/20
53-70-3	Dibenzo(a,h)anthracene	ND		50	52.1	104	50	52.6	105	1	40-140/20
206-44-0	Fluoranthene	ND		50	48.0	96	50	49.7	99	3	40-140/20
86-73-7	Fluorene	0.047	J	50	37.7	75	50	39.0	78	3	40-140/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		50	51.1	102	50	51.5	103	1	40-140/20
90-12-0	1-Methylnaphthalene	ND		50	17.6	35* [a]	50	19.3	39* [a]	9	40-140/20
91-57-6	2-Methylnaphthalene	ND		50	16.0	32* [a]	50	17.6	35* [a]	10	40-140/20
85-01-8	Phenanthrene	0.045	J	50	43.1	86	50	44.2	88	3	40-140/20
129-00-0	Pyrene	ND		50	45.3	91	50	46.7	93	3	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22548-19	Limits
367-12-4	2-Fluorophenol			41%	15-110%
4165-62-2	Phenol-d5			29%	15-110%
118-79-6	2,4,6-Tribromophenol			85%	15-110%
4165-60-0	Nitrobenzene-d5	66%	69%	74%	30-130%
321-60-8	2-Fluorobiphenyl	53%	53%	56%	30-130%
1718-51-0	Terphenyl-d14	85%	88%	88%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSF3044-CC3031	**Injection Date:**	07/19/13
Lab File ID:	F65707.D	**Injection Time:**	07:43
Instrument ID:	GCMSF	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	62334	4.33	233280	5.46	152826	7.10	281398	8.57	312945	11.38	294708	12.90
Upper Limit [a]	124668	4.83	466560	5.96	305652	7.60	562796	9.07	625890	11.88	589416	13.40
Lower Limit [b]	31167	3.83	116640	4.96	76413	6.60	140699	8.07	156473	10.88	147354	12.40

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34009-MB	70905	4.33	274624	5.45	178192	7.10	326856	8.57	356910	11.37	340997	12.90
OP34009-BS	55669	4.33	206571	5.45	134851	7.10	247448	8.57	273462	11.37	263813	12.90
OP34009-MS	68413	4.32	262271	5.46	167801	7.10	315148	8.57	346869	11.37	322569	12.90
OP34009-MSD	71992	4.33	273376	5.45	180223	7.10	331435	8.57	362118	11.38	338806	12.90
MC22548-18	66832	4.33	257542	5.45	165695	7.10	306527	8.57	329648	11.37	315104	12.90
MC22664-1	48281	4.33	185008	5.45	120442	7.10	221566	8.57	243211	11.37	232416	12.90
MC22664-2	58714	4.33	228181	5.46	147830	7.10	270245	8.57	297865	11.37	283084	12.90
MC22664-3	56307	4.33	218540	5.46	140006	7.10	257447	8.57	285274	11.37	270999	12.90
MC22664-4	59414	4.33	232629	5.46	148886	7.10	272444	8.57	297329	11.37	284899	12.90
MC22664-5	59170	4.33	219207	5.46	144277	7.10	264907	8.57	295952	11.37	284444	12.90
MC22664-6	51351	4.33	200621	5.45	129489	7.10	237372	8.57	269113	11.37	253633	12.90
MC22664-7	61213	4.33	227417	5.46	149061	7.10	273556	8.57	312604	11.37	294482	12.90
MC22664-8	59440	4.33	229822	5.46	147360	7.10	270348	8.57	299376	11.37	290574	12.90
MC22664-9	66657	4.33	257682	5.46	172650	7.10	303284	8.57	337999	11.38	328441	12.90
OP34036-MS	44327	4.32	165058	5.46	103615	7.10	190704	8.57	218106	11.37	209625	12.90
OP34036-MSD	64825	4.32	240425	5.46	149770	7.10	277418	8.58	317900	11.37	296854	12.90
MC22692-3	51513	4.33	193957	5.46	121865	7.10	229520	8.57	258658	11.38	249167	12.90
ZZZZZZ	46809	4.33	181948	5.46	117501	7.10	210723	8.57	237092	11.37	227439	12.90
ZZZZZZ	57689	4.33	221940	5.46	144683	7.10	263139	8.57	296522	11.37	279295	12.90
ZZZZZZ	55736	4.32	214500	5.46	138092	7.10	249160	8.57	280390	11.37	270793	12.90
ZZZZZZ	64012	4.33	256804	5.45	163312	7.10	297843	8.57	330635	11.37	320252	12.90
ZZZZZZ	62166	4.33	244107	5.45	156475	7.10	287072	8.57	319616	11.37	300279	12.90
ZZZZZZ	58772	4.33	224817	5.46	139248	7.10	245167	8.57	299176	11.37	284327	12.90
ZZZZZZ	48157	4.33	181889	5.45	114635	7.10	204173	8.57	241540	11.37	229174	12.90
ZZZZZZ	51203	4.33	200930	5.45	129962	7.10	239888	8.57	265944	11.37	247545	12.90
ZZZZZZ	61134	4.33	237461	5.46	165387	7.11	296234	8.58	294580	11.37	282702	12.90
ZZZZZZ	63079	4.33	244052	5.46	152431	7.10	277115	8.57	309899	11.37	298790	12.90
ZZZZZZ	57327	4.32	226756	5.46	146389	7.10	268283	8.57	300634	11.37	283917	12.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Semivolatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSF3044-CC3031	**Injection Date:**	07/19/13
Lab File ID:	F65707.D	**Injection Time:**	07:43
Instrument ID:	GCMSF	**Method:**	SW846 8270C

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1181-CC1159	**Injection Date:**	07/25/13
Lab File ID:	R32366.D	**Injection Time:**	09:10
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	91960	4.31	348159	5.37	206505	6.91	380929	8.33	435773	11.31	400128	12.91
Upper Limit [a]	183920	4.81	696318	5.87	413010	7.41	761858	8.83	871546	11.81	800256	13.41
Lower Limit [b]	45980	3.81	174080	4.87	103253	6.41	190465	7.83	217887	10.81	200064	12.41

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34099-MB	78660	4.31	288087	5.37	172062	6.91	321141	8.32	373747	11.31	418554	12.90
OP34099-BS	69703	4.31	259840	5.37	157973	6.91	289204	8.32	323984	11.31	302608	12.90
OP34099-MS	79397	4.31	301780	5.37	183889	6.91	326659	8.32	372602	11.31	350917	12.90
OP34099-MSD	79356	4.31	299801	5.37	174762	6.91	328046	8.32	367379	11.31	343502	12.90
MC22900-7	73442	4.31	273692	5.37	164607	6.91	304082	8.32	347163	11.31	324634	12.90
ZZZZZZ	80186	4.31	300029	5.37	181395	6.91	329218	8.32	373093	11.31	358676	12.90
ZZZZZZ	87575	4.31	331612	5.37	197868	6.91	358566	8.32	402336	11.31	370553	12.90
ZZZZZZ	80571	4.31	302689	5.37	180475	6.91	323846	8.32	361731	11.31	337354	12.90
ZZZZZZ	66848	4.31	249641	5.37	154354	6.91	270360	8.32	306626	11.31	283874	12.90
ZZZZZZ	83207	4.31	311706	5.37	184206	6.91	344386	8.32	384883	11.31	353774	12.90
ZZZZZZ	82537	4.31	303506	5.37	182883	6.91	337051	8.32	379257	11.31	358102	12.90
ZZZZZZ	84436	4.31	318433	5.37	190440	6.91	349582	8.32	392685	11.31	367731	12.90
MC22664-1 [c]	63947	4.31	241663	5.37	143707	6.91	262008	8.32	294635	11.31	278779	12.90
MC22664-7 [c]	94576	4.31	352434	5.37	214088	6.91	393479	8.32	433790	11.31	413556	12.90
ZZZZZZ	68290	4.31	248776	5.37	151158	6.91	275847	8.32	306188	11.31	289568	12.90
ZZZZZZ	85482	4.31	324823	5.37	194291	6.91	361907	8.32	398334	11.31	371773	12.90
ZZZZZZ	82286	4.31	301271	5.37	185069	6.91	333873	8.32	379965	11.31	356403	12.90
ZZZZZZ	91686	4.31	339407	5.37	205341	6.91	372050	8.32	420247	11.31	388882	12.90
ZZZZZZ	83786	4.31	312905	5.37	188789	6.91	344819	8.32	386848	11.31	361742	12.90
ZZZZZZ	79395	4.31	291169	5.37	175498	6.91	324376	8.32	360857	11.31	343127	12.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample re-extracted beyond recommended holding time.

Semivolatile Internal Standard Area Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW635-CC633	**Injection Date:**	07/19/13
Lab File ID:	W14017.D	**Injection Time:**	09:22
Instrument ID:	GCMSW	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	113387	3.65	289616	4.63	140621	6.05	224190	7.32	149610	10.10	377129	11.53
Upper Limit [a]	226774	4.15	579232	5.13	281242	6.55	448380	7.82	299220	10.60	754258	12.03
Lower Limit [b]	56694	3.15	144808	4.13	70311	5.55	112095	6.82	74805	9.60	188565	11.03
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
ZZZZZZ	99433	3.65	259655	4.63	128406	6.05	204854	7.32	139407	10.10	339886	11.53
ZZZZZZ	124677	3.64	326012	4.63	160730	6.05	259481	7.32	174683	10.10	429346	11.53
ZZZZZZ	124185	3.64	321042	4.62	155481	6.05	244939	7.32	163698	10.10	402103	11.53
ZZZZZZ	112482	3.65	287733	4.62	140626	6.05	218004	7.32	151915	10.10	376156	11.53
ZZZZZZ	115164	3.65	310651	4.63	155534	6.05	249328	7.32	165679	10.10	400380	11.53
ZZZZZZ	97692	3.65	257615	4.63	128269	6.05	205230	7.32	139907	10.09	343688	11.53
OP34010-MB	115724	3.65	303728	4.63	146157	6.05	228343	7.33	151535	10.10	367745	11.53
OP34010-BS	129889	3.64	338679	4.63	164977	6.05	260771	7.33	170423	10.10	426361	11.53
OP34010-MS	126936	3.65	327843	4.63	156010	6.05	245389	7.32	161418	10.10	403367	11.53
OP34010-MSD	118372	3.65	308643	4.63	151532	6.05	240157	7.33	155132	10.10	383440	11.53
MC22548-19	122874	3.65	320405	4.62	157340	6.05	250882	7.32	168739	10.10	405206	11.53
MC22664-1	131768	3.65	349573	4.63	172733	6.05	270335	7.32	182826	10.10	448371	11.53
MC22664-2	134073	3.65	354219	4.63	173498	6.05	277495	7.33	182239	10.10	442481	11.53
MC22664-3	125126	3.65	329731	4.63	161831	6.05	252032	7.32	170474	10.10	417889	11.53
MC22664-4	122854	3.65	328865	4.63	159782	6.05	250816	7.32	168555	10.10	404086	11.53
MC22664-5	137063	3.65	357427	4.63	179208	6.05	282695	7.32	187015	10.10	456562	11.53
MC22664-6	125573	3.65	326545	4.62	165855	6.05	261367	7.32	180557	10.10	427000	11.53
MC22664-7	126455	3.65	324416	4.63	158806	6.05	250447	7.32	170965	10.10	412274	11.53
MC22664-8	131788	3.65	355924	4.63	185476	6.05	273056	7.33	181881	10.10	434604	11.53
MC22664-9	157738	3.65	434591	4.63	221786	6.05	341491	7.33	225172	10.10	539525	11.53
OP33952-MB	88627	3.73	331387	4.78	207718	6.30	346292	7.64	370851*	10.53	360453	12.10*

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC22664-1	R32380.D	36	15	76	52	64	83
MC22664-1	F65713.D	7* [a]	6* [a]	28	76	59	91
MC22664-2	F65714.D	41	29	77	79	61	87
MC22664-3	F65715.D	30	23	68	74	55	85
MC22664-4	F65716.D	39	27	76	72	58	86
MC22664-5	F65717.D	42	32	77	75	50	86
MC22664-6	F65718.D	26	22	71	70	54	92
MC22664-7	F65719.D	2* [b]	1* [b]	18	67	46	74
MC22664-7	R32381.D	27	14* [b]	67	64	73	80
MC22664-8	F65720.D	49	35	82	94	71	89
MC22664-9	F65721.D	45	33	80	91	60	88
OP34009-BS	F65709.D	34	26	80	72	63	87
OP34009-MB	F65708.D	35	25	72	68	49	83
OP34009-MS	F65710.D	35	26	78	67	52	84
OP34009-MSD	F65711.D	38	28	85	72	53	88
OP34099-BS	R32368.D	56	20	99	81	91	89
OP34099-MB	R32367.D	51	18	89	78	91	86
OP34099-MS	R32369.D	52	19	100	75	87	88
OP34099-MSD	R32370.D	48	18	95	70	86	84

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

(a) Outside control limits. Sample re-extracted/reanalyzed.
(b) Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

Semivolatile Surrogate Recovery Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22664-1	W14029.D	77	60	91
MC22664-2	W14030.D	78	62	87
MC22664-3	W14031.D	74	55	85
MC22664-4	W14032.D	72	60	85
MC22664-5	W14033.D	71	51	87
MC22664-6	W14034.D	74	55	91
MC22664-7	W14035.D	63	48	74
MC22664-8	W14036.D	85	63	89
MC22664-9	W14037.D	81	57	88
OP34010-BS	W14025.D	70	65	87
OP34010-MB	W14024.D	68	52	82
OP34010-MS	W14026.D	66	53	85
OP34010-MSD	W14027.D	69	53	88

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	30-130%
S2 = 2-Fluorobiphenyl	30-130%
S3 = Terphenyl-d14	30-130%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries

Method Blank Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34092-MB	BK27073.D	1	07/24/13	NK	07/23/13	OP34092	GBK929

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-11

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0097	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	Bromofluorobenzene (S)	141%	36-173%
460-00-4	Bromofluorobenzene (S)	143%	36-173%

Blank Spike Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34092-BS	BK27074.D	1	07/24/13	NK	07/23/13	OP34092	GBK929

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
96-12-8	1,2-Dibromo-3-chloropropane	0.071	0.087	123	60-140
106-93-4	1,2-Dibromoethane	0.071	0.084	118	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	Bromofluorobenzene (S)	133%	36-173%
460-00-4	Bromofluorobenzene (S)	135%	36-173%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34092-MS	BK27075.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
OP34092-MSD	BK27076.D	1	07/24/13	NK	07/23/13	OP34092	GBK929
MC22787-5	BK27081.D	1	07/24/13	NK	07/23/13	OP34092	GBK929

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22664-1, MC22664-2, MC22664-3, MC22664-4, MC22664-5, MC22664-6, MC22664-7, MC22664-8, MC22664-9, MC22664-11

CAS No.	Compound	MC22787-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
96-12-8	1,2-Dibromo-3-chloropropane	ND		0.0681	0.082	120	0.0688	0.076	110	8	64-141/29
106-93-4	1,2-Dibromoethane	ND		0.0681	0.069	101	0.0688	0.069	100	0	63-163/27

CAS No.	Surrogate Recoveries	MS	MSD	MC22787-5	Limits
460-00-4	Bromofluorobenzene (S)	118%	112%	133%	36-173%
460-00-4	Bromofluorobenzene (S)	123%	116%	139%	36-173%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8011 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC22664-1	BK27086.D	106	97
MC22664-2	BK27087.D	104	91
MC22664-3	BK27088.D	134	117
MC22664-4	BK27089.D	108	98
MC22664-5	BK27090.D	121	126
MC22664-6	BK27091.D	115	103
MC22664-7	BK27092.D	114	96
MC22664-8	BK27093.D	124	90
MC22664-9	BK27095.D	147	116
MC22664-11	BK27096.D	118	106
OP34092-BS	BK27074.D	133	135
OP34092-MB	BK27073.D	141	143
OP34092-MS	BK27075.D	118	123
OP34092-MSD	BK27076.D	112	116

Surrogate Compounds	Recovery Limits
S1 = Bromofluorobenzene (S)	36-173%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK929-ICC929	**Injection Date:**	07/24/13
Lab File ID:	BK27068.D	**Injection Time:**	10:36
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27071B.D	07/24/13	11:44	4.58	4.94
ZZZZZZ	BK27071A.D	07/24/13	11:44	4.58	4.94
OP34092-MB	BK27073.D	07/24/13	12:30	4.58	4.94
OP34092-BS	BK27074.D	07/24/13	12:52	4.58	4.94
OP34092-MS	BK27075.D	07/24/13	13:15	4.58	4.94
OP34092-MSD	BK27076.D	07/24/13	13:38	4.58	4.94
ZZZZZZ	BK27077.D	07/24/13	14:00	4.58	4.94
ZZZZZZ	BK27078.D	07/24/13	14:23	4.58	4.94
ZZZZZZ	BK27079.D	07/24/13	14:46	4.58	4.94
ZZZZZZ	BK27080.D	07/24/13	15:08	4.58	4.94
MC22787-5	BK27081.D	07/24/13	15:31	4.58	4.94
ZZZZZZ	BK27082.D	07/24/13	15:53	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK929-CC929	**Injection Date:**	07/24/13
Lab File ID:	BK27083.D	**Injection Time:**	16:16
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27084.D	07/24/13	16:38	4.58	4.94
ZZZZZZ	BK27085.D	07/24/13	17:01	4.58	4.94
MC22664-1	BK27086.D	07/24/13	17:24	4.58	4.94
MC22664-2	BK27087.D	07/24/13	17:46	4.58	4.94
MC22664-3	BK27088.D	07/24/13	18:08	4.58	4.94
MC22664-4	BK27089.D	07/24/13	18:31	4.58	4.94
MC22664-5	BK27090.D	07/24/13	18:54	4.58	4.94
MC22664-6	BK27091.D	07/24/13	19:17	4.58	4.94
MC22664-7	BK27092.D	07/24/13	19:40	4.58	4.94
MC22664-8	BK27093.D	07/24/13	20:03	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22664
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK929-CC929	**Injection Date:**	07/24/13
Lab File ID:	BK27094.D	**Injection Time:**	20:26
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
MC22664-9	BK27095.D	07/24/13	20:48	4.58	4.94
MC22664-11	BK27096.D	07/24/13	21:11	4.58	4.94
OP34093-MB	BK27097.D	07/24/13	21:34	4.58	4.94
OP34094-MB	BK27097A.D	07/24/13	21:34	4.58	4.94
OP34093-BS	BK27098.D	07/24/13	21:58	4.58	4.94
OP34094-BS	BK27098A.D	07/24/13	21:58	4.58	4.94
OP34094-MS	BK27099A.D	07/24/13	22:21	4.58	4.94
OP34093-MS	BK27099.D	07/24/13	22:21	4.58	4.94
OP34094-MSD	BK27100A.D	07/24/13	22:44	4.58	4.94
OP34093-MSD	BK27100.D	07/24/13	22:44	4.58	4.94
MC23000-1	BK27101.D	07/24/13	23:07	4.58	4.94
MC22702-4	BK27101A.D	07/24/13	23:07	4.58	4.94
ZZZZZZ	BK27102.D	07/24/13	23:31	4.58	4.94
ZZZZZZ	BK27103.D	07/24/13	23:54	4.58	4.94
ZZZZZZ	BK27104.D	07/25/13	00:18	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana,

SGS Accutest Job Number: MC22754

Sampling Date: 07/15/13

Report to:

AECOM, INC.

Melissa.mansker@aecom.com

ATTN: Melissa Mansker

Total number of pages in report: 84

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

SGS ACCUTEST

October 25, 2016

AECOM
1001 Highlands Plaza Drive West Suite 300
St. Louis, MO 63110

RE: SGS Accutest Job # MC22754

Dear Elizabeth Kunkel

As you are aware, SGS Accutest Inc. - Marlborough has been conducting an extensive review of data associated with some historical Gas Chromatography-Mass Spectroscopy volatiles analyses. As a result of this review it was determined that some revisions of the original test report for this job were needed. These corrections have been incorporated into the revised report.

Please be assured that corrective actions have been put in place to address this matter and prevent a recurrence.

We apologize for any inconvenience that this issue may have caused. Please don't hesitate to contact us if we can be of further assistance.

Sincerely,

H. (Brad) Madadian

Regional Laboratory Director
SGS Accutest Inc. - Marlborough

Sections: 1 2 3 4 5 6 7 8

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Sample Summary

Shell Oil

Job No: MC22754

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC22754-1	07/15/13	13:35	DMLR	07/17/13	AQ	Ground Water	P56-ROX-071513
MC22754-2	07/15/13	14:40	DMLR	07/17/13	AQ	Ground Water	P74-ROX-071513
MC22754-3	07/15/13	00:00	DMLR	07/17/13	AQ	Trip Blank Water	TB-ROX-071513-HCL
MC22754-4	07/15/13	00:00	DMLR	07/17/13	AQ	Trip Blank Water	TB-ROX-071513-ST

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Shell Oil	**Job No**	MC22754
Site:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Centra	**Report Date**	10/25/2016 10:29:03 A

2 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected on 07/15/2013 and were received at SGS Accutest New England on 07/17/2013 properly preserved, at 0.8 Deg. C and intact. These Samples received a job number of MC22754. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report. 1-Chlorohexane, Benzenethiol, Dibenz(a,h)acridine, Indene and Quinoline were searched in the library search and reported only if detections were found.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** MSK2359

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22730-2MS, MC22730-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Acrolein are outside control limits.
- Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein, Dichlorodifluoromethane are outside control limits. Outside control limits due to possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 2-Chloroethyl vinyl ether, Dichlorodifluoromethane, Naphthalene, tert-Butylbenzene are outside control limits due to possible matrix interference and/or sample non-homogeneity.
- RPD(s) for MSD for tert-Butylbenzene are outside control limits for sample MC22730-2MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- Acrolein: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
- Acetone:Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

Matrix: AQ **Batch ID:** MSK2360

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22966-2MS, MC22966-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** MSV821

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22692-3MS, MC22692-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether, Hexachlorobutadiene, Carbon tetrachloride, Dichlorodifluoromethane, Vinyl Acetate are outside control limits.
- Matrix Spike Recovery(s) for 1,4-Dioxane, 2-Butanone (MEK), 2-Chloroethyl vinyl ether, Acetone, Hexachlorobutadiene, Methyl Tert Butyl Ether, Tetrachloroethene are outside control limits. Outside control limits due to possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,4-Dioxane, 2-Butanone (MEK), Acetone, Acrolein, Hexachlorobutadiene, Methyl Tert Butyl Ether, Tetrachloroethene, 2-Chloroethyl vinyl ether are outside control limits. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MS/MSD Recovery(s) for n-Propylbenzene, Benzene, Iso propyl benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample MC22692-3MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSV821-BS for Hexachlorobutadiene, 2-Chloroethyl vinyl ether: Outside control limits. Associated samples are non-detect for this compound.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP34082

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC22900-3MS, MC22900-3MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits.
- Matrix Spike Duplicate Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP34084

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22900-4MS, MC22900-4MSD were used as the QC samples indicated.
- MC22754-2 have compounds reported with "B" qualifier, indicating analyte is found in the associated method blank.

Volatiles by GC By Method SW846 8011

Matrix: AQ **Batch ID:** OP34095

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22692-3MS, MC22692-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Continuing Calibration Verification standard for 4-Bromofluorobenzene exceeded criteria. Target recovery satisfactory.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC22754).

Summary of Hits

Job Number: MC22754
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22754-1	P56-ROX-071513					
Acetone [a]		156	10	2.8	ug/l	SW846 8260B
Benzene		131	0.50	0.45	ug/l	SW846 8260B
n-Butylbenzene		14.1	5.0	0.54	ug/l	SW846 8260B
sec-Butylbenzene		7.2	5.0	0.58	ug/l	SW846 8260B
tert-Butylbenzene		3.8 J	5.0	0.87	ug/l	SW846 8260B
Chloroethane		4.7	2.0	0.84	ug/l	SW846 8260B
Ethylbenzene		2000	10	3.8	ug/l	SW846 8260B
Isopropylbenzene		96.8	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene		6.1	5.0	0.55	ug/l	SW846 8260B
Naphthalene		316	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		145	5.0	0.59	ug/l	SW846 8260B
Toluene		311	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		551	50	4.7	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		134	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene		2670	10	7.0	ug/l	SW846 8260B
o-Xylene		210	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		2850	10	4.1	ug/l	SW846 8260B
2,4-Dimethylphenol		8.6 J	11	1.3	ug/l	SW846 8270C
3&4-Methylphenol		6.4 J	11	2.2	ug/l	SW846 8270C
Dibenzofuran		0.75 J	2.2	0.17	ug/l	SW846 8270C
Acenaphthene		0.65	0.11	0.015	ug/l	SW846 8270C BY SIM
Acenaphthylene		0.13	0.11	0.015	ug/l	SW846 8270C BY SIM
Anthracene		0.14	0.11	0.019	ug/l	SW846 8270C BY SIM
Fluorene		0.59	0.11	0.051	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		31.5	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		43.1	0.22	0.057	ug/l	SW846 8270C BY SIM
Phenanthrene		1.5	0.055	0.014	ug/l	SW846 8270C BY SIM
MC22754-2	P74-ROX-071513					
Acetone [a]		4.6 J	10	2.8	ug/l	SW846 8260B
Benzene		117	0.50	0.45	ug/l	SW846 8260B
n-Butylbenzene		8.8	5.0	0.54	ug/l	SW846 8260B
sec-Butylbenzene		2.0 J	5.0	0.58	ug/l	SW846 8260B
Ethylbenzene		30.6	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene		3.1 J	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene		1.7 J	5.0	0.55	ug/l	SW846 8260B
Naphthalene		24.0	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		5.4	5.0	0.59	ug/l	SW846 8260B
Toluene		6.4	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		101	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		36.5	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene		109	1.0	0.70	ug/l	SW846 8260B

Summary of Hits

Job Number: MC22754
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		27.0	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		136	1.0	0.41	ug/l	SW846 8260B
2,4-Dichlorophenol		1.3 J	11	0.36	ug/l	SW846 8270C
Phenol		8.0	5.4	0.56	ug/l	SW846 8270C
Acenaphthene		0.063 J	0.11	0.015	ug/l	SW846 8270C BY SIM
Anthracene		0.032 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Fluoranthene		0.14	0.11	0.035	ug/l	SW846 8270C BY SIM
Fluorene		0.11	0.11	0.050	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		1.9	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		0.19 J	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene		0.080 B	0.054	0.014	ug/l	SW846 8270C BY SIM
Pyrene		0.074 J	0.11	0.039	ug/l	SW846 8270C BY SIM

MC22754-3 **TB-ROX-071513-HCL**

No hits reported in this sample.

MC22754-4 **TB-ROX-071513-ST**

No hits reported in this sample.

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72447.D	1	07/26/13	GK	n/a	n/a	MSK2359
Run #2	K72460.D	10	07/26/13	GK	n/a	n/a	MSK2360

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	156	10	2.8	ug/l	
107-02-8	Acrolein [b]	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	131	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	14.1	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	7.2	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	3.8	5.0	0.87	ug/l	J
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	4.7	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	2000 [c]	10	3.8	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	96.8	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	6.1	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	316	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	145	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	311	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	551 [c]	50	4.7	ug/l	
108-67-8	1,3,5-Trimethylbenzene	134	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	2670 [c]	10	7.0	ug/l	
95-47-6	o-Xylene	210	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	2850 [c]	10	4.1	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	103%	70-130%
2037-26-5	Toluene-D8	101%	99%	70-130%
460-00-4	4-Bromofluorobenzene	93%	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14275.D	1	07/31/13	KR	07/22/13	OP34082	MSW645
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.5	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.54	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	8.6	11	1.3	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	6.4	11	2.2	ug/l	J
88-75-5	2-Nitrophenol	ND	11	0.55	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.64	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	5.5	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.63	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.70	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.5	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.5	0.94	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.63	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.5	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.5	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.5	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.5	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.5	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.5	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.74	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.5	0.55	ug/l	
132-64-9	Dibenzofuran	0.75	2.2	0.17	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	5.5	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.5	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.5	0.55	ug/l	
131-11-3	Dimethyl phthalate	ND	5.5	0.55	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.5	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.5	0.48	ug/l	
78-59-1	Isophorone	ND	5.5	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.55	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.5	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.5	0.55	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.5	0.89	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		15-110%
4165-62-2	Phenol-d5	32%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		15-110%
4165-60-0	Nitrobenzene-d5	72%		30-130%
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	79%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14235.D	1	07/31/13	KR	07/22/13	OP34084	MSW643
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.65	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.13	0.11	0.015	ug/l	
120-12-7	Anthracene	0.14	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.055	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.055	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.080	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	0.59	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	31.5	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	43.1	0.22	0.057	ug/l	
85-01-8	Phenanthrene	1.5	0.055	0.014	ug/l	
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	80%		30-130%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P56-ROX-071513		
Lab Sample ID:	MC22754-1	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27132.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	105%		36-173%
460-00-4	Bromofluorobenzene (S)	82%		36-173%

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72448.D	1	07/26/13	GK	n/a	n/a	MSK2359
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	4.6	10	2.8	ug/l	J
107-02-8	Acrolein [b]	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	117	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	8.8	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	2.0	5.0	0.58	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	30.6	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	3.1	5.0	0.64	ug/l	J
99-87-6	p-Isopropyltoluene	1.7	5.0	0.55	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	24.0	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	5.4	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	6.4	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	101	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	36.5	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	109	1.0	0.70	ug/l	
95-47-6	o-Xylene	27.0	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	136	1.0	0.41	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14276.D	1	07/31/13	KR	07/22/13	OP34082	MSW645
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	1.3	11	0.36	ug/l	J
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	8.0	5.4	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.93	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.71	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.70	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

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Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.48	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		15-110%
4165-62-2	Phenol-d5	23%		15-110%
118-79-6	2,4,6-Tribromophenol	97%		15-110%
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	84%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14236.D	1	07/31/13	KR	07/22/13	OP34084	MSW643
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.063	0.11	0.015	ug/l	J
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	0.032	0.11	0.019	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.054	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.079	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	0.14	0.11	0.035	ug/l	
86-73-7	Fluorene	0.11	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.050	ug/l	
90-12-0	1-Methylnaphthalene	1.9	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	0.19	0.22	0.056	ug/l	J
85-01-8	Phenanthrene	0.080	0.054	0.014	ug/l	B
129-00-0	Pyrene	0.074	0.11	0.039	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		30-130%
321-60-8	2-Fluorobiphenyl	85%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P74-ROX-071513		
Lab Sample ID:	MC22754-2	**Date Sampled:**	07/15/13
Matrix:	AQ - Ground Water	**Date Received:**	07/17/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27133.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	101%		36-173%
460-00-4	Bromofluorobenzene (S)	81%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071513-HCL		
Lab Sample ID:	MC22754-3	**Date Sampled:**	07/15/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V21163.D	1	07/24/13	AMY	n/a	n/a	MSV821
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071513-HCL		
Lab Sample ID:	MC22754-3	**Date Sampled:**	07/15/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071513-HCL		
Lab Sample ID:	MC22754-3	**Date Sampled:**	07/15/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/17/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071513-ST		
Lab Sample ID:	MC22754-4	**Date Sampled:**	07/15/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/17/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27134.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.3 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	90%		36-173%
460-00-4	Bromofluorobenzene (S)	81%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

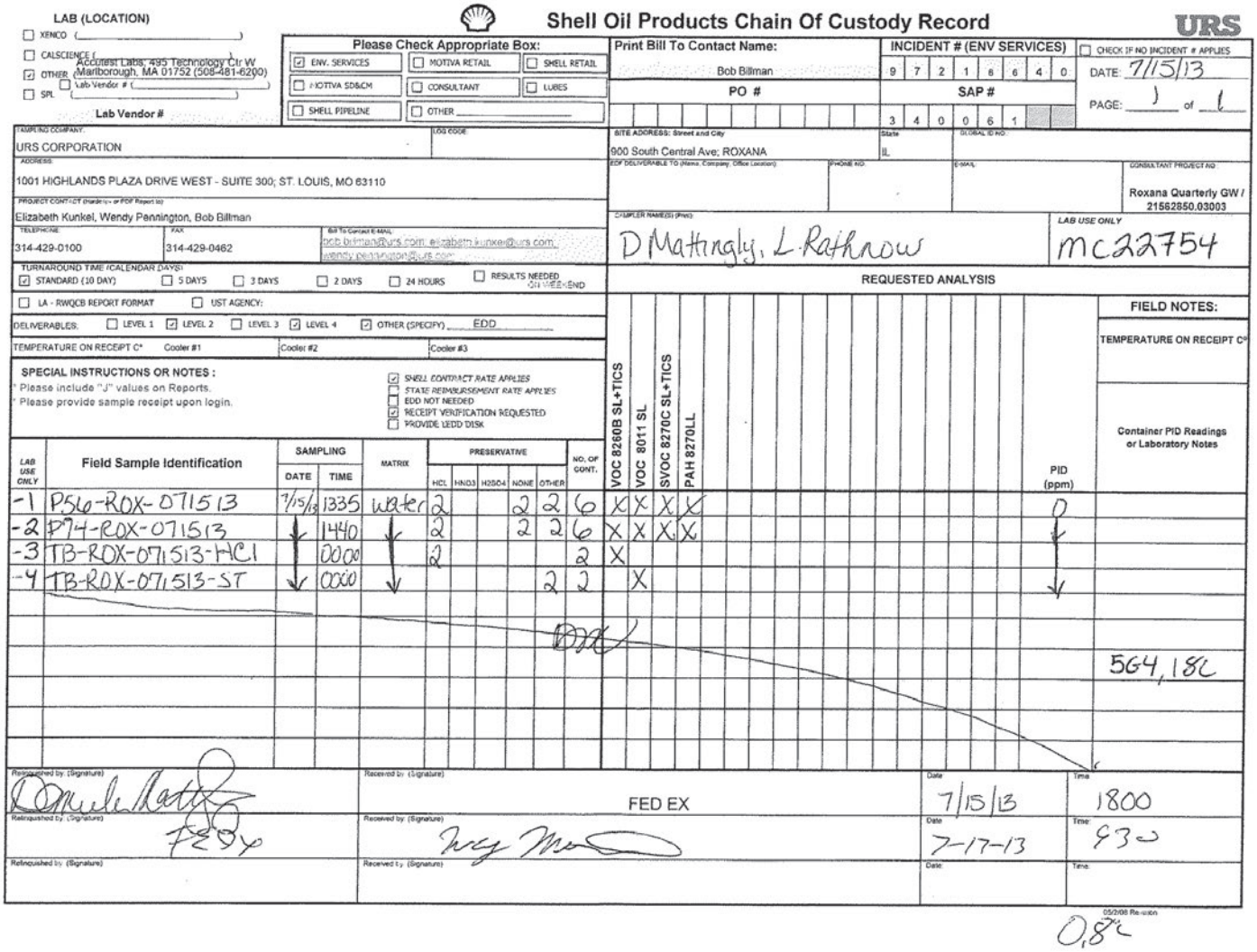
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☑ OTHER Accutest Labs, 495 Technology Ctr W (Marlborough, MA 01752 (508-481-6200)
☐ SPL (_____)
Lab Vendor #

Shell Oil Products Chain Of Custody Record

URS

Please Check Appropriate Box:
☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Bob Billman
PO #
INCIDENT # (ENV SERVICES): 9 7 2 1 8 6 4 0
SAP #: 3 4 0 0 6 1
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 7/15/13
PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@urs.com; elizabeth.kunkel@urs.com; wendy.pennington@urs.com
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
GLOBAL ID NO:
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO:
E-MAIL:
CONSULTANT PROJECT NO: Roxana Quarterly GW / 21562850.03003
SAMPLER NAME(S) (Print): D Mattingly, L Rathnow
LAB USE ONLY: MC22754

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD
TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports.
* Please provide sample receipt upon login.
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	SVOC 8270C SL+TICS	PAH 8270LL	PID (ppm)
-1	PS6-ROX-071513	7/15/13	1335	water	2			2	2	6	X	X	X	X	0
-2	PT4-ROX-071513	↓	1440	↓	2			2	2	6	X	X	X	X	↓
-3	TB-ROX-071513-HCl	↓	0000	↓	2					2	X				
-4	TB-ROX-071513-ST	↓	0000	↓					2	2		X			

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes
5G4, 18C

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
D Mattingly	FED EX	7/15/13	1800
FEDX		7-17-13	930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2008 Revision
0.8°C

MC22754: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC22754 **Client:** URS **Immediate Client Services Action Required:** No

Date / Time Received: 7/17/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 900 SOUTH CENTRAL AVE **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

5.1

5

MC22754: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22754

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22754-1 Collected: 15-JUL-13 13:35 By: DMLR Received: 17-JUL-13 By: P56-ROX-071513						
MC22754-1	SW846 8011	25-JUL-13 11:37	NK	23-JUL-13	BJ	V8011SL
MC22754-1	SW846 8260B	26-JUL-13 12:55	GK			V8260SL+
MC22754-1	SW846 8260B	26-JUL-13 19:06	GK			V8260SL+
MC22754-1	SW846 8270C BY SIM	31-JUL-13 01:39	KR	22-JUL-13	MEW	B8270SIMSL
MC22754-1	SW846 8270C	31-JUL-13 22:01	KR	22-JUL-13	MEW	AB8270SL+
MC22754-2 Collected: 15-JUL-13 14:40 By: DMLR Received: 17-JUL-13 By: P74-ROX-071513						
MC22754-2	SW846 8011	25-JUL-13 12:01	NK	23-JUL-13	BJ	V8011SL
MC22754-2	SW846 8260B	26-JUL-13 13:23	GK			V8260SL+
MC22754-2	SW846 8270C BY SIM	31-JUL-13 02:01	KR	22-JUL-13	MEW	B8270SIMSL
MC22754-2	SW846 8270C	31-JUL-13 22:24	KR	22-JUL-13	MEW	AB8270SL+
MC22754-3 Collected: 15-JUL-13 00:00 By: DMLR Received: 17-JUL-13 By: TB-ROX-071513-HCL						
MC22754-3	SW846 8260B	24-JUL-13 14:54	AMY			V8260SL+
MC22754-4 Collected: 15-JUL-13 00:00 By: DMLR Received: 17-JUL-13 By: TB-ROX-071513-ST						
MC22754-4	SW846 8011	25-JUL-13 12:25	NK	23-JUL-13	BJ	V8011SL

SGS Accutest Internal Chain of Custody

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/17/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22754-1.1	Walk In Ref #22	Thomas Abruzzise	07/22/13 15:39	Retrieve from Storage
MC22754-1.1	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22754-1.3	VOC Ref #5	Amy Min Yang	07/24/13 13:15	Retrieve from Storage
MC22754-1.3	Amy Min Yang	GCMSV	07/24/13 13:16	Load on Instrument
MC22754-1.3	GCMSV	Amy Min Yang	07/26/13 15:01	Unload from Instrument
MC22754-1.3	Amy Min Yang	VOC Ref #5	07/26/13 15:01	Return to Storage
MC22754-1.3	Scott Parsick		10/04/13 13:49	Disposed
MC22754-1.4	VOC Ref #5	Gary Krasinski	07/26/13 09:45	Retrieve from Storage
MC22754-1.4	Gary Krasinski	GCMSK	07/26/13 09:45	Load on Instrument
MC22754-1.4	GCMSK	Gary Krasinski	07/26/13 14:55	Unload from Instrument
MC22754-1.4	Gary Krasinski	VOC Ref #5	07/26/13 14:55	Return to Storage
MC22754-1.4	Scott Parsick		10/04/13 13:49	Disposed
MC22754-1.5	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22754-1.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22754-1.6	VOC Ref #5	Gary Krasinski	07/26/13 15:02	Retrieve from Storage
MC22754-1.6	Gary Krasinski	GCMSK	07/26/13 15:02	Load on Instrument
MC22754-1.6	GCMSK	Gary Krasinski	07/26/13 15:14	Unload from Instrument
MC22754-1.6	Gary Krasinski	VOC Ref #5	07/26/13 15:14	Return to Storage
MC22754-1.6	Scott Parsick		10/04/13 13:49	Disposed
MC22754-2.2	Walk In Ref #22	Thomas Abruzzise	07/22/13 15:39	Retrieve from Storage
MC22754-2.2	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22754-2.3	VOC Ref #5	Gary Krasinski	07/26/13 09:45	Retrieve from Storage
MC22754-2.3	Gary Krasinski	GCMSK	07/26/13 09:45	Load on Instrument
MC22754-2.3	GCMSK	Gary Krasinski	07/26/13 14:55	Unload from Instrument
MC22754-2.3	Gary Krasinski	VOC Ref #5	07/26/13 14:55	Return to Storage
MC22754-2.3	Scott Parsick		10/04/13 13:49	Disposed
MC22754-2.4	VOC Ref #5	Amy Min Yang	07/24/13 13:15	Retrieve from Storage
MC22754-2.4	Amy Min Yang	GCMSV	07/24/13 13:16	Load on Instrument
MC22754-2.4	GCMSV	Amy Min Yang	07/26/13 15:01	Unload from Instrument
MC22754-2.4	Amy Min Yang	VOC Ref #5	07/26/13 15:01	Return to Storage
MC22754-2.4	Scott Parsick		10/04/13 13:49	Disposed
MC22754-2.6	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22754-2.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22754-3.1	VOC Ref #5	Amy Min Yang	07/24/13 13:15	Retrieve from Storage
MC22754-3.1	Amy Min Yang	GCMSV	07/24/13 13:16	Load on Instrument

SGS Accutest Internal Chain of Custody

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/17/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22754-3.1	GCMSV	Amy Min Yang	07/26/13 15:01	Unload from Instrument
MC22754-3.1	Amy Min Yang	VOC Ref #5	07/26/13 15:01	Return to Storage
MC22754-3.1	Scott Parsick		10/04/13 13:49	Disposed
MC22754-4.1	VOC Ref #5	Bijan Jafari	07/23/13 10:47	Retrieve from Storage
MC22754-4.1	Bijan Jafari		07/23/13 18:13	Depleted

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV821-MB	V21160.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV821-MB	V21160.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV821-MB	V21160.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2359-MB	K72441.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2359-MB	K72441.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2359-MB	K72441.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2360-MB	K72455.D	1	07/26/13	GK	n/a	n/a	MSK2360

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	70-130%
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV821-BS	V21158.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	41.7	83	70-130
107-02-8	Acrolein	250	238	95	70-130
107-13-1	Acrylonitrile	50	48.4	97	70-130
71-43-2	Benzene	50	45.3	91	70-130
108-86-1	Bromobenzene	50	54.6	109	70-130
74-97-5	Bromochloromethane	50	46.6	93	70-130
75-27-4	Bromodichloromethane	50	56.3	113	70-130
75-25-2	Bromoform	50	59.1	118	70-130
74-83-9	Bromomethane	50	59.0	118	70-130
78-93-3	2-Butanone (MEK)	50	42.4	85	70-130
104-51-8	n-Butylbenzene	50	54.1	108	70-130
135-98-8	sec-Butylbenzene	50	58.1	116	70-130
98-06-6	tert-Butylbenzene	50	60.0	120	70-130
75-15-0	Carbon disulfide	50	60.2	120	70-130
56-23-5	Carbon tetrachloride	50	65.6	131* [a]	70-130
108-90-7	Chlorobenzene	50	56.6	113	70-130
75-00-3	Chloroethane	50	52.4	105	70-130
110-75-8	2-Chloroethyl vinyl ether	50	178	356* [b]	70-130
67-66-3	Chloroform	50	47.7	95	70-130
74-87-3	Chloromethane	50	50.3	101	70-130
95-49-8	o-Chlorotoluene	50	54.0	108	70-130
106-43-4	p-Chlorotoluene	50	56.1	112	70-130
124-48-1	Dibromochloromethane	50	59.2	118	70-130
95-50-1	1,2-Dichlorobenzene	50	57.1	114	70-130
541-73-1	1,3-Dichlorobenzene	50	57.8	116	70-130
106-46-7	1,4-Dichlorobenzene	50	53.3	107	70-130
75-71-8	Dichlorodifluoromethane	50	67.0	134* [a]	70-130
75-34-3	1,1-Dichloroethane	50	42.7	85	70-130
107-06-2	1,2-Dichloroethane	50	52.4	105	70-130
75-35-4	1,1-Dichloroethene	50	48.8	98	70-130
156-59-2	cis-1,2-Dichloroethene	50	41.4	83	70-130
156-60-5	trans-1,2-Dichloroethene	50	43.7	87	70-130
78-87-5	1,2-Dichloropropane	50	43.7	87	70-130
142-28-9	1,3-Dichloropropane	50	47.7	95	70-130
594-20-7	2,2-Dichloropropane	50	60.8	122	70-130
563-58-6	1,1-Dichloropropene	50	54.4	109	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV821-BS	V21158.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	47.1	94	70-130
10061-02-6	trans-1,3-Dichloropropene	50	53.1	106	70-130
123-91-1	1,4-Dioxane	250	185	74	70-130
97-63-2	Ethyl methacrylate	50	45.8	92	77-137
100-41-4	Ethylbenzene	50	55.7	111	70-130
87-68-3	Hexachlorobutadiene	50	78.1	156* [b]	70-130
591-78-6	2-Hexanone	50	49.0	98	70-130
98-82-8	Isopropylbenzene	50	57.7	115	70-130
99-87-6	p-Isopropyltoluene	50	59.8	120	70-130
1634-04-4	Methyl Tert Butyl Ether	50	42.2	84	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	38.0	76	70-130
74-95-3	Methylene bromide	50	49.2	98	70-130
75-09-2	Methylene chloride	50	39.1	78	70-130
91-20-3	Naphthalene	50	49.2	98	70-130
103-65-1	n-Propylbenzene	50	54.5	109	70-130
100-42-5	Styrene	50	52.8	106	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	64.2	128	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	46.8	94	70-130
127-18-4	Tetrachloroethene	50	63.5	127	70-130
108-88-3	Toluene	50	49.0	98	70-130
87-61-6	1,2,3-Trichlorobenzene	50	57.2	114	70-130
120-82-1	1,2,4-Trichlorobenzene	50	58.0	116	70-130
71-55-6	1,1,1-Trichloroethane	50	52.2	104	70-130
79-00-5	1,1,2-Trichloroethane	50	48.1	96	70-130
79-01-6	Trichloroethene	50	52.8	106	70-130
75-69-4	Trichlorofluoromethane	50	57.7	115	70-130
96-18-4	1,2,3-Trichloropropane	50	42.6	85	70-130
95-63-6	1,2,4-Trimethylbenzene	50	53.2	106	70-130
108-67-8	1,3,5-Trimethylbenzene	50	53.3	107	70-130
108-05-4	Vinyl Acetate	50	31.5	63* [a]	70-130
75-01-4	Vinyl chloride	50	41.0	82	70-130
	m,p-Xylene	100	113	113	70-130
95-47-6	o-Xylene	50	57.9	116	70-130
1330-20-7	Xylene (total)	150	171	114	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV821-BS	V21158.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2359-BS	K72438.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	63.0	126	70-130
107-02-8	Acrolein	250	71.9	29* [a]	70-130
107-13-1	Acrylonitrile	50	51.6	103	70-130
71-43-2	Benzene	50	51.6	103	70-130
108-86-1	Bromobenzene	50	49.4	99	70-130
74-97-5	Bromochloromethane	50	50.8	102	70-130
75-27-4	Bromodichloromethane	50	48.3	97	70-130
75-25-2	Bromoform	50	50.3	101	70-130
74-83-9	Bromomethane	50	57.1	114	70-130
78-93-3	2-Butanone (MEK)	50	56.5	113	70-130
104-51-8	n-Butylbenzene	50	50.0	100	70-130
135-98-8	sec-Butylbenzene	50	53.3	107	70-130
98-06-6	tert-Butylbenzene	50	52.6	105	70-130
75-15-0	Carbon disulfide	50	49.3	99	70-130
56-23-5	Carbon tetrachloride	50	52.1	104	70-130
108-90-7	Chlorobenzene	50	57.3	115	70-130
75-00-3	Chloroethane	50	53.8	108	70-130
110-75-8	2-Chloroethyl vinyl ether	50	39.0	78	70-130
67-66-3	Chloroform	50	53.6	107	70-130
74-87-3	Chloromethane	50	56.4	113	70-130
95-49-8	o-Chlorotoluene	50	50.0	100	70-130
106-43-4	p-Chlorotoluene	50	52.3	105	70-130
124-48-1	Dibromochloromethane	50	52.2	104	70-130
95-50-1	1,2-Dichlorobenzene	50	53.3	107	70-130
541-73-1	1,3-Dichlorobenzene	50	52.4	105	70-130
106-46-7	1,4-Dichlorobenzene	50	49.0	98	70-130
75-71-8	Dichlorodifluoromethane	50	49.6	99	70-130
75-34-3	1,1-Dichloroethane	50	53.1	106	70-130
107-06-2	1,2-Dichloroethane	50	46.5	93	70-130
75-35-4	1,1-Dichloroethene	50	52.5	105	70-130
156-59-2	cis-1,2-Dichloroethene	50	53.5	107	70-130
156-60-5	trans-1,2-Dichloroethene	50	53.9	108	70-130
78-87-5	1,2-Dichloropropane	50	46.7	93	70-130
142-28-9	1,3-Dichloropropane	50	52.0	104	70-130
594-20-7	2,2-Dichloropropane	50	57.2	114	70-130
563-58-6	1,1-Dichloropropene	50	50.1	100	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2359-BS	K72438.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	46.3	93	70-130
10061-02-6	trans-1,3-Dichloropropene	50	50.2	100	70-130
123-91-1	1,4-Dioxane	250	265	106	70-130
97-63-2	Ethyl methacrylate	50	48.9	98	77-137
100-41-4	Ethylbenzene	50	50.2	100	70-130
87-68-3	Hexachlorobutadiene	50	51.3	103	70-130
591-78-6	2-Hexanone	50	51.4	103	70-130
98-82-8	Isopropylbenzene	50	52.4	105	70-130
99-87-6	p-Isopropyltoluene	50	52.1	104	70-130
1634-04-4	Methyl Tert Butyl Ether	50	49.3	99	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	44.6	89	70-130
74-95-3	Methylene bromide	50	48.6	97	70-130
75-09-2	Methylene chloride	50	53.2	106	70-130
91-20-3	Naphthalene	50	59.3	119	70-130
103-65-1	n-Propylbenzene	50	52.0	104	70-130
100-42-5	Styrene	50	52.7	105	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	52.8	106	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	51.2	102	70-130
127-18-4	Tetrachloroethene	50	56.8	114	70-130
108-88-3	Toluene	50	49.1	98	70-130
87-61-6	1,2,3-Trichlorobenzene	50	63.8	128	70-130
120-82-1	1,2,4-Trichlorobenzene	50	56.0	112	70-130
71-55-6	1,1,1-Trichloroethane	50	51.2	102	70-130
79-00-5	1,1,2-Trichloroethane	50	48.5	97	70-130
79-01-6	Trichloroethene	50	48.6	97	70-130
75-69-4	Trichlorofluoromethane	50	50.0	100	70-130
96-18-4	1,2,3-Trichloropropane	50	45.6	91	70-130
95-63-6	1,2,4-Trimethylbenzene	50	48.6	97	70-130
108-67-8	1,3,5-Trimethylbenzene	50	47.6	95	70-130
108-05-4	Vinyl Acetate	50	35.3	71	70-130
75-01-4	Vinyl chloride	50	41.3	83	70-130
	m,p-Xylene	100	104	104	70-130
95-47-6	o-Xylene	50	53.1	106	70-130
1330-20-7	Xylene (total)	150	157	105	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2359-BS	K72438.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2360-BS	K72453.D	1	07/26/13	GK	n/a	n/a	MSK2360

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	50	51.8	104	70-130
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	70-130
	m,p-Xylene	100	108	108	70-130
1330-20-7	Xylene (total)	150	163	109	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	92%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22692-3MS	V21181.D	1	07/24/13	AMY	n/a	n/a	MSV821
MC22692-3MSD	V21182.D	1	07/24/13	AMY	n/a	n/a	MSV821
MC22692-3	V21165.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Compound	MC22692-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	30.1	60* a	50	27.2	54* a	10	70-130/30
107-02-8	Acrolein	ND		250	174	70	250	173	69* a	1	70-130/30
107-13-1	Acrylonitrile	ND		50	42.4	85	50	41.7	83	2	70-130/30
71-43-2	Benzene	187		50	209	44* b	50	204	34* b	2	70-130/30
108-86-1	Bromobenzene	ND		50	56.0	112	50	56.4	113	1	70-130/30
74-97-5	Bromochloromethane	ND		50	46.3	93	50	45.6	91	2	70-130/30
75-27-4	Bromodichloromethane	ND		50	53.3	107	50	52.8	106	1	70-130/30
75-25-2	Bromoform	ND		50	59.3	119	50	59.5	119	0	70-130/30
74-83-9	Bromomethane	ND		50	53.7	107	50	52.9	106	2	70-130/30
78-93-3	2-Butanone (MEK)	ND		50	29.4	59* a	50	29.9	60* a	2	70-130/30
104-51-8	n-Butylbenzene	14.6		50	64.4	100	50	64.3	99	0	70-130/30
135-98-8	sec-Butylbenzene	22.1		50	76.5	109	50	76.2	108	0	70-130/30
98-06-6	tert-Butylbenzene	6.0		50	61.9	112	50	61.9	112	0	70-130/30
75-15-0	Carbon disulfide	ND		50	60.7	121	50	59.5	119	2	70-130/30
56-23-5	Carbon tetrachloride	ND		50	60.5	121	50	59.6	119	1	70-130/30
108-90-7	Chlorobenzene	0.59	J	50	60.7	120	50	60.6	120	0	70-130/30
75-00-3	Chloroethane	ND		50	46.0	92	50	45.1	90	2	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		50	ND	0* a	50	8.6	17* a	200* c	70-130/30
67-66-3	Chloroform	ND		50	44.4	89	50	43.9	88	1	70-130/30
74-87-3	Chloromethane	ND		50	43.5	87	50	42.0	84	4	70-130/30
95-49-8	o-Chlorotoluene	ND		50	52.6	105	50	52.7	105	0	70-130/30
106-43-4	p-Chlorotoluene	ND		50	54.2	108	50	54.3	109	0	70-130/30
124-48-1	Dibromochloromethane	ND		50	58.2	116	50	58.1	116	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		50	56.9	114	50	57.3	115	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		50	59.1	118	50	58.9	118	0	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		50	54.1	108	50	53.9	108	0	70-130/30
75-71-8	Dichlorodifluoromethane	ND		50	60.8	122	50	57.7	115	5	70-130/30
75-34-3	1,1-Dichloroethane	ND		50	40.7	81	50	40.1	80	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		50	45.5	91	50	44.3	89	3	70-130/30
75-35-4	1,1-Dichloroethene	ND		50	49.3	99	50	48.3	97	2	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		50	41.8	84	50	41.3	83	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		50	43.0	86	50	42.6	85	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		50	47.4	95	50	46.3	93	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		50	47.4	95	50	46.8	94	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		50	55.9	112	50	55.3	111	1	70-130/30
563-58-6	1,1-Dichloropropene	ND		50	53.9	108	50	52.7	105	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22692-3MS	V21181.D	1	07/24/13	AMY	n/a	n/a	MSV821
MC22692-3MSD	V21182.D	1	07/24/13	AMY	n/a	n/a	MSV821
MC22692-3	V21165.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Compound	MC22692-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		50	46.1	92	50	45.7	91	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		50	50.6	101	50	50.3	101	1	70-130/30
123-91-1	1,4-Dioxane	ND		250	166	66* [a]	250	154	62* [a]	8	70-130/30
97-63-2	Ethyl methacrylate	ND		50	53.8	108	50	53.3	107	1	72-139/30
100-41-4	Ethylbenzene	2.2		50	59.2	114	50	58.6	113	1	70-130/30
87-68-3	Hexachlorobutadiene	ND		50	77.4	155* [a]	50	79.3	159* [a]	2	70-130/30
591-78-6	2-Hexanone	ND		50	43.6	87	50	43.7	87	0	70-130/30
98-82-8	Isopropylbenzene	191		50	213	44* [b]	50	212	42* [b]	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		50	59.6	119	50	59.2	118	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		50	87.0	174* [a]	50	86.6	173* [a]	0	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	36.6	73	50	36.1	72	1	70-130/30
74-95-3	Methylene bromide	ND		50	47.0	94	50	46.1	92	2	70-130/30
75-09-2	Methylene chloride	ND		50	39.9	80	50	39.4	79	1	70-130/30
91-20-3	Naphthalene	ND		50	49.4	99	50	55.2	110	11	70-130/30
103-65-1	n-Propylbenzene	229		50	240	22* [b]	50	239	20* [b]	0	70-130/30
100-42-5	Styrene	ND		50	56.5	113	50	56.1	112	1	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	65.2	130	50	65.6	131* [a]	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	47.3	95	50	46.9	94	1	70-130/30
127-18-4	Tetrachloroethene	ND		50	69.4	139* [a]	50	68.5	137* [a]	1	70-130/30
108-88-3	Toluene	1.8		50	52.1	101	50	50.9	98	2	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		50	53.4	107	50	58.5	117	9	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		50	56.7	113	50	59.2	118	4	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		50	50.2	100	50	49.6	99	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		50	48.8	98	50	47.9	96	2	70-130/30
79-01-6	Trichloroethene	ND		50	54.1	108	50	52.6	105	3	70-130/30
75-69-4	Trichlorofluoromethane	ND		50	49.4	99	50	48.4	97	2	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		50	36.1	72	50	42.9	86	17	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		50	52.4	105	50	52.4	105	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		50	52.6	105	50	52.6	105	0	70-130/30
108-05-4	Vinyl Acetate	ND		50	50.8	102	50	50.1	100	1	70-130/30
75-01-4	Vinyl chloride	ND		50	36.8	74	50	35.8	72	3	70-130/30
	m,p-Xylene	ND		100	122	122	100	120	120	2	70-130/30
95-47-6	o-Xylene	1.0		50	62.9	124	50	62.9	124	0	70-130/30
1330-20-7	Xylene (total)	1.5		150	185	122	150	183	121	1	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22692-3MS	V21181.D	1	07/24/13	AMY	n/a	n/a	MSV821
MC22692-3MSD	V21182.D	1	07/24/13	AMY	n/a	n/a	MSV821
MC22692-3	V21165.D	1	07/24/13	AMY	n/a	n/a	MSV821

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-3

CAS No.	Surrogate Recoveries	MS	MSD	MC22692-3	Limits
1868-53-7	Dibromofluoromethane	90%	90%	94%	70-130%
2037-26-5	Toluene-D8	100%	100%	105%	70-130%
460-00-4	4-Bromofluorobenzene	95%	95%	96%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22730-2MS	K72449.D	5	07/26/13	GK	n/a	n/a	MSK2359
MC22730-2MSD	K72450.D	5	07/26/13	GK	n/a	n/a	MSK2359
MC22730-2	K72443.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Compound	MC22730-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	185	74	250	186	74	1	70-130/30
107-02-8	Acrolein	ND		1250	835	67* a	1250	930	74	11	70-130/30
107-13-1	Acrylonitrile	ND		250	254	102	250	262	105	3	70-130/30
71-43-2	Benzene	ND		250	259	104	250	253	101	2	70-130/30
108-86-1	Bromobenzene	ND		250	253	101	250	250	100	1	70-130/30
74-97-5	Bromochloromethane	ND		250	253	101	250	252	101	0	70-130/30
75-27-4	Bromodichloromethane	ND		250	236	94	250	235	94	0	70-130/30
75-25-2	Bromoform	ND		250	268	107	250	274	110	2	70-130/30
74-83-9	Bromomethane	ND		250	252	101	250	238	95	6	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	243	97	250	251	100	3	70-130/30
104-51-8	n-Butylbenzene	ND		250	245	98	250	240	96	2	70-130/30
135-98-8	sec-Butylbenzene	ND		250	247	99	250	243	97	2	70-130/30
98-06-6	tert-Butylbenzene	ND		250	240	96	250	45.7	18* a	136* b	70-130/30
75-15-0	Carbon disulfide	ND		250	207	83	250	195	78	6	70-130/30
56-23-5	Carbon tetrachloride	ND		250	237	95	250	227	91	4	70-130/30
108-90-7	Chlorobenzene	ND		250	287	115	250	283	113	1	70-130/30
75-00-3	Chloroethane	ND		250	238	95	250	230	92	3	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		250	5.9	2* a	250	5.6	2* a	5	70-130/30
67-66-3	Chloroform	0.86	J	250	254	101	250	250	100	2	70-130/30
74-87-3	Chloromethane	ND		250	204	82	250	193	77	6	70-130/30
95-49-8	o-Chlorotoluene	ND		250	232	93	250	228	91	2	70-130/30
106-43-4	p-Chlorotoluene	ND		250	236	94	250	232	93	2	70-130/30
124-48-1	Dibromochloromethane	ND		250	270	108	250	272	109	1	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	255	102	250	253	101	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	250	100	250	245	98	2	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	245	98	250	245	98	0	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	167	67* a	250	152	61* a	9	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	245	98	250	236	94	4	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	227	91	250	227	91	0	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	233	93	250	225	90	3	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	263	105	250	254	102	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	263	105	250	253	101	4	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	232	93	250	228	91	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	270	108	250	275	110	2	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	261	104	250	248	99	5	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	245	98	250	238	95	3	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22730-2MS	K72449.D	5	07/26/13	GK	n/a	n/a	MSK2359
MC22730-2MSD	K72450.D	5	07/26/13	GK	n/a	n/a	MSK2359
MC22730-2	K72443.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Compound	MC22730-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		250	223	89	250	220	88	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	225	90	250	226	90	0	70-130/30
123-91-1	1,4-Dioxane	ND		1250	1290	103	1250	1400	112	8	70-130/30
97-63-2	Ethyl methacrylate	ND		250	259	104	250	265	106	2	72-139/30
100-41-4	Ethylbenzene	ND		250	265	106	250	259	104	2	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	245	98	250	243	97	1	70-130/30
591-78-6	2-Hexanone	ND		250	236	94	250	242	97	3	70-130/30
98-82-8	Isopropylbenzene	ND		250	245	98	250	239	96	2	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	247	99	250	242	97	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	4.0		250	258	102	250	254	100	2	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	236	94	250	241	96	2	70-130/30
74-95-3	Methylene bromide	ND		250	247	99	250	244	98	1	70-130/30
75-09-2	Methylene chloride	ND		250	254	102	250	246	98	3	70-130/30
91-20-3	Naphthalene	ND		250	322	129	250	331	132* [a]	3	70-130/30
103-65-1	n-Propylbenzene	ND		250	243	97	250	235	94	3	70-130/30
100-42-5	Styrene	ND		250	284	114	250	284	114	0	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	276	110	250	274	110	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	257	103	250	264	106	3	70-130/30
127-18-4	Tetrachloroethene	ND		250	299	120	250	294	118	2	70-130/30
108-88-3	Toluene	ND		250	251	100	250	243	97	3	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	319	128	250	340	136* [a]	6	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	280	112	250	285	114	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	239	96	250	233	93	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	249	100	250	252	101	1	70-130/30
79-01-6	Trichloroethene	ND		250	245	98	250	239	96	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	234	94	250	225	90	4	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	206	82	250	216	86	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	249	100	250	242	97	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	243	97	250	236	94	3	70-130/30
108-05-4	Vinyl Acetate	ND		250	234	94	250	239	96	2	70-130/30
75-01-4	Vinyl chloride	ND		250	216	86	250	206	82	5	70-130/30
	m,p-Xylene	ND		500	537	107	500	526	105	2	70-130/30
95-47-6	o-Xylene	ND		250	261	104	250	257	103	2	70-130/30
1330-20-7	Xylene (total)	ND		750	798	106	750	783	104	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22730-2MS	K72449.D	5	07/26/13	GK	n/a	n/a	MSK2359
MC22730-2MSD	K72450.D	5	07/26/13	GK	n/a	n/a	MSK2359
MC22730-2	K72443.D	1	07/26/13	GK	n/a	n/a	MSK2359

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1, MC22754-2

CAS No.	Surrogate Recoveries	MS	MSD	MC22730-2	Limits
1868-53-7	Dibromofluoromethane	96%	97%	106%	70-130%
2037-26-5	Toluene-D8	98%	99%	97%	70-130%
460-00-4	4-Bromofluorobenzene	94%	92%	98%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22966-2MS	K72458.D	5	07/26/13	GK	n/a	n/a	MSK2360
MC22966-2MSD	K72459.D	5	07/26/13	GK	n/a	n/a	MSK2360
MC22966-2	K72457.D	1	07/26/13	GK	n/a	n/a	MSK2360

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22754-1

CAS No.	Compound	MC22966-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	ND		250	267	107	250	257	103	4	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	245	98	250	238	95	3	70-130/30
	m,p-Xylene	ND		500	548	110	500	531	106	3	70-130/30
1330-20-7	Xylene (total)	ND		750	832	111	750	805	107	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC22966-2	Limits
1868-53-7	Dibromofluoromethane	99%	99%	106%	70-130%
2037-26-5	Toluene-D8	100%	99%	96%	70-130%
460-00-4	4-Bromofluorobenzene	94%	94%	94%	70-130%

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSK2359-CC2349	**Injection Date:**	07/26/13
Lab File ID:	K72437.D	**Injection Time:**	08:17
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	322098	8.84	482285	9.69	215685	12.94	232121	15.51	65586	6.42
Upper Limit [a]	644196	9.34	964570	10.19	431370	13.44	464242	16.01	131172	6.92
Lower Limit [b]	161049	8.34	241143	9.19	107843	12.44	116061	15.01	32793	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2359-BS	332836	8.84	503959	9.69	223248	12.94	240772	15.51	67657	6.42
MSK2359-MB	332692	8.84	508097	9.69	210173	12.95	225928	15.51	68559	6.42
ZZZZZZ	340133	8.84	524216	9.69	223614	12.95	239769	15.51	68941	6.42
MC22730-2	349212	8.84	530351	9.69	222369	12.95	238662	15.51	70028	6.42
ZZZZZZ	349157	8.84	537256	9.69	226961	12.95	244328	15.51	72394	6.42
ZZZZZZ	340063	8.84	517548	9.69	216190	12.95	238468	15.51	73101	6.42
ZZZZZZ	342406	8.84	527710	9.69	219111	12.95	243346	15.51	75388	6.42
MC22754-1	338044	8.85	517971	9.69	235001	12.95	264912	15.51	77627	6.42
MC22754-2	384841	8.84	569327	9.69	243594	12.95	278122	15.51	84419	6.43
MC22730-2MS	387291	8.84	562510	9.69	240820	12.95	270405	15.50	80148	6.42
MC22730-2MSD	394556	8.84	573317	9.69	243786	12.95	275209	15.51	85559	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSK2360-CC2349	**Injection Date:**	07/26/13
Lab File ID:	K72452.D	**Injection Time:**	15:27
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	371662	8.84	544089	9.69	232115	12.94	263293	15.50	70738	6.42
Upper Limit [a]	743324	9.34	1088178	10.19	464230	13.44	526586	16.00	141476	6.92
Lower Limit [b]	185831	8.34	272045	9.19	116058	12.44	131647	15.00	35369	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2360-BS	367916	8.84	537563	9.69	229320	12.95	261656	15.50	71035	6.42
MSK2360-MB	379033	8.84	573492	9.69	231592	12.95	257791	15.51	72399	6.42
ZZZZZZ	364564	8.84	553542	9.69	226122	12.95	248686	15.51	71361	6.42
MC22966-2	352469	8.84	538247	9.69	218239	12.95	240296	15.51	65848	6.42
MC22966-2MS	350911	8.84	515116	9.69	224033	12.94	249354	15.50	62213	6.42
MC22966-2MSD	353046	8.84	517023	9.69	225952	12.94	251547	15.50	64425	6.42
MC22754-1	360257	8.84	541504	9.69	230929	12.95	257268	15.50	69207	6.43
ZZZZZZ	365266	8.84	558119	9.69	229744	12.95	258643	15.50	67395	6.42
ZZZZZZ	376724	8.84	566871	9.69	231529	12.95	258361	15.51	68707	6.42
ZZZZZZ	360370	8.84	541573	9.69	225339	12.95	257263	15.50	75700	6.42
ZZZZZZ	377687	8.84	574130	9.69	235310	12.95	258830	15.50	72306	6.42
ZZZZZZ	370404	8.84	562885	9.69	228598	12.95	248672	15.51	76250	6.42
ZZZZZZ	354302	8.84	536937	9.69	222255	12.95	242360	15.51	76027	6.42
ZZZZZZ	343814	8.84	522484	9.69	216691	12.95	237476	15.51	75783	6.42
ZZZZZZ	332571	8.84	505679	9.69	213004	12.95	229888	15.51	71292	6.42
ZZZZZZ	346088	8.84	526310	9.69	218144	12.95	236744	15.50	73175	6.42
ZZZZZZ	325726	8.84	496611	9.69	209632	12.95	226124	15.51	68680	6.42
ZZZZZZ	334099	8.84	509954	9.69	210541	12.95	230513	15.51	69751	6.42
ZZZZZZ	322396	8.84	497247	9.69	205044	12.95	222499	15.50	64879	6.42
ZZZZZZ	324628	8.84	484900	9.69	207910	12.95	227188	15.50	65351	6.43
ZZZZZZ	318165	8.84	478756	9.69	211603	12.95	231472	15.51	62861	6.42
ZZZZZZ	325092	8.84	493854	9.69	208669	12.95	223922	15.51	62546	6.42
ZZZZZZ	318310	8.84	480275	9.69	203501	12.95	218409	15.51	58606	6.42
ZZZZZZ	314669	8.84	484522	9.69	199596	12.95	221728	15.51	70071	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSV821-CC776	**Injection Date:**	07/24/13
Lab File ID:	V21157.D	**Injection Time:**	12:14
Instrument ID:	GCMSV	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	266854	6.59	369435	7.77	189496	11.10	203236	13.31	60077	3.52
Upper Limit [a]	533708	7.09	738870	8.27	378992	11.60	406472	13.81	120154	4.02
Lower Limit [b]	133427	6.09	184718	7.27	94748	10.60	101618	12.81	30039	3.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSV821-BS	272318	6.59	374510	7.77	190485	11.10	205257	13.31	64667	3.52
MSV821-MB	259369	6.60	360407	7.77	186786	11.10	195103	13.31	56752	3.53
ZZZZZZ	253995	6.60	356631	7.77	183542	11.10	191408	13.31	57217	3.53
ZZZZZZ	248014	6.59	347981	7.77	179447	11.10	187068	13.31	56079	3.53
MC22754-3	239746	6.60	337596	7.77	174885	11.10	181634	13.31	53686	3.53
ZZZZZZ	240601	6.59	336878	7.77	175108	11.10	184422	13.31	60707	3.53
MC22692-3	251626	6.59	337348	7.77	181190	11.09	194466	13.30	58534	3.52
ZZZZZZ	266675	6.59	372892	7.77	191431	11.09	210034	13.30	57293	3.52
ZZZZZZ	278589	6.59	377396	7.77	194603	11.09	209048	13.30	68305	3.53
ZZZZZZ	273858	6.59	383835	7.77	194823	11.09	205664	13.30	60599	3.53
ZZZZZZ	276696	6.59	384208	7.77	200854	11.09	210912	13.30	87182	3.53
ZZZZZZ	287703	6.59	397104	7.77	206698	11.09	219355	13.30	140500[c]	3.55
ZZZZZZ	291812	6.60	407754	7.77	209420	11.10	222711	13.30	120538[c]	3.55
ZZZZZZ	293703	6.69	394523	7.81	210525	11.10	216899	13.30	146454[c]	3.57
ZZZZZZ	291129	6.74	403084	7.83	213277	11.10	222216	13.30	92242	3.53
MC22692-3MS	322586	6.58	435313	7.76	213929	11.09	239324	13.30	76589	3.52
MC22692-3MSD	319923	6.58	436016	7.76	211471	11.09	236373	13.30	74228	3.52

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. Target analytes not associated with this internal standard.

Volatile Surrogate Recovery Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22754-1	K72460.D	103	99	95
MC22754-1	K72447.D	98	101	93
MC22754-2	K72448.D	102	99	95
MC22754-3	V21163.D	100	99	98
MC22692-3MS	V21181.D	90	100	95
MC22692-3MSD	V21182.D	90	100	95
MC22730-2MS	K72449.D	96	98	94
MC22730-2MSD	K72450.D	97	99	92
MC22966-2MS	K72458.D	99	100	94
MC22966-2MSD	K72459.D	99	99	94
MSK2359-BS	K72438.D	103	99	97
MSK2359-MB	K72441.D	109	97	95
MSK2360-BS	K72453.D	98	98	92
MSK2360-MB	K72455.D	105	95	94
MSV821-BS	V21158.D	97	99	97
MSV821-MB	V21160.D	97	99	97

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-MB	R32331.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22754-1, MC22754-2

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.64	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.20	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.85	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.57	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.92	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.23	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.13	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.65	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.68	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.50	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.39	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	0.43	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	0.50	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.50	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.30	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-MB	R32331.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22754-1, MC22754-2

CAS No.	Compound	Result	RL	MDL	Units	Q
77-47-4	Hexachlorocyclopentadiene	ND	10	2.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.44	ug/l	
78-59-1	Isophorone	ND	5.0	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.3	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.81	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.54	ug/l	
110-86-1	Pyridine	ND	10	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	15-110%
4165-62-2	Phenol-d5	18%	15-110%
118-79-6	2,4,6-Tribromophenol	73%	15-110%
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	77%	30-130%
1718-51-0	Terphenyl-d14	77%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34084-MB	W14109.D	1	07/23/13	KR	07/22/13	OP34084	MSW638

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22754-1, MC22754-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.019	0.10	0.014	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.013	ug/l	
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	0.030	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.017	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.059	ug/l	
218-01-9	Chrysene	ND	0.10	0.073	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.042	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.033	ug/l	
86-73-7	Fluorene	ND	0.10	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.046	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	0.052	ug/l	
85-01-8	Phenanthrene	0.034	0.050	0.013	ug/l	J
129-00-0	Pyrene	ND	0.10	0.036	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	15-110%
4165-62-2	Phenol-d5	18%	15-110%
118-79-6	2,4,6-Tribromophenol	85%	15-110%
4165-60-0	Nitrobenzene-d5	76%	30-130%
321-60-8	2-Fluorobiphenyl	73%	30-130%
1718-51-0	Terphenyl-d14	81%	30-130%

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-BS	R32332.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22754-1, MC22754-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	20.7	41	30-130
95-57-8	2-Chlorophenol	50	42.4	85	30-130
59-50-7	4-Chloro-3-methyl phenol	50	43.2	86	30-130
120-83-2	2,4-Dichlorophenol	50	42.4	85	30-130
105-67-9	2,4-Dimethylphenol	50	39.3	79	30-130
51-28-5	2,4-Dinitrophenol	50	41.1	82	30-130
534-52-1	4,6-Dinitro-o-cresol	50	45.1	90	30-130
95-48-7	2-Methylphenol	50	39.3	79	30-130
	3&4-Methylphenol	100	72.2	72	30-130
88-75-5	2-Nitrophenol	50	44.1	88	30-130
100-02-7	4-Nitrophenol	50	18.0	36	30-130
87-86-5	Pentachlorophenol	50	43.7	87	30-130
108-95-2	Phenol	50	19.6	39	30-130
95-95-4	2,4,5-Trichlorophenol	50	46.9	94	30-130
88-06-2	2,4,6-Trichlorophenol	50	45.7	91	30-130
62-53-3	Aniline	50	33.4	67	40-140
101-55-3	4-Bromophenyl phenyl ether	50	43.5	87	40-140
85-68-7	Butyl benzyl phthalate	50	40.8	82	40-140
100-51-6	Benzyl Alcohol	50	34.7	69	40-140
91-58-7	2-Chloronaphthalene	50	40.2	80	40-140
106-47-8	4-Chloroaniline	50	36.9	74	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	36.3	73	40-140
111-44-4	bis(2-Chloroethyl)ether	50	36.3	73	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	37.4	75	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	45.7	91	40-140
122-66-7	1,2-Diphenylhydrazine	50	35.9	72	40-140
121-14-2	2,4-Dinitrotoluene	50	44.0	88	40-140
606-20-2	2,6-Dinitrotoluene	50	42.5	85	40-140
91-94-1	3,3'-Dichlorobenzidine	50	40.9	82	40-140
132-64-9	Dibenzofuran	50	42.4	85	40-140
84-74-2	Di-n-butyl phthalate	50	41.8	84	40-140
117-84-0	Di-n-octyl phthalate	50	45.2	90	40-140
84-66-2	Diethyl phthalate	50	40.0	80	40-140
131-11-3	Dimethyl phthalate	50	30.5	61	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.0	82	40-140
118-74-1	Hexachlorobenzene	50	42.4	85	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-BS	R32332.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22754-1, MC22754-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
77-47-4	Hexachlorocyclopentadiene	50	18.8	38* [a]	40-140
67-72-1	Hexachloroethane	50	31.9	64	40-140
78-59-1	Isophorone	50	36.4	73	40-140
88-74-4	2-Nitroaniline	50	45.9	92	40-140
99-09-2	3-Nitroaniline	50	41.8	84	40-140
100-01-6	4-Nitroaniline	50	44.5	89	40-140
98-95-3	Nitrobenzene	50	33.7	67	40-140
62-75-9	n-Nitrosodimethylamine	50	23.5	47	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	38.3	77	40-140
86-30-6	N-Nitrosodiphenylamine	50	40.2	80	40-140
110-86-1	Pyridine	50	22.4	45	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	57%	15-110%
4165-62-2	Phenol-d5	21%	15-110%
118-79-6	2,4,6-Tribromophenol	93%	15-110%
4165-60-0	Nitrobenzene-d5	76%	30-130%
321-60-8	2-Fluorobiphenyl	87%	30-130%
1718-51-0	Terphenyl-d14	80%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34084-BS	W14110.D	1	07/23/13	KR	07/22/13	OP34084	MSW638

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22754-1, MC22754-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	40.2	80	40-140
208-96-8	Acenaphthylene	50	33.2	66	40-140
120-12-7	Anthracene	50	39.3	79	40-140
56-55-3	Benzo(a)anthracene	50	42.6	85	40-140
50-32-8	Benzo(a)pyrene	50	42.1	84	40-140
205-99-2	Benzo(b)fluoranthene	50	47.5	95	40-140
191-24-2	Benzo(g,h,i)perylene	50	39.6	79	40-140
207-08-9	Benzo(k)fluoranthene	50	43.5	87	40-140
218-01-9	Chrysene	50	39.3	79	40-140
53-70-3	Dibenzo(a,h)anthracene	50	41.5	83	40-140
206-44-0	Fluoranthene	50	42.4	85	40-140
86-73-7	Fluorene	50	41.1	82	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.3	81	40-140
90-12-0	1-Methylnaphthalene	50	39.0	78	40-140
91-57-6	2-Methylnaphthalene	50	37.1	74	40-140
85-01-8	Phenanthrene	50	38.9	78	40-140
129-00-0	Pyrene	50	40.2	80	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	56%	15-110%
4165-62-2	Phenol-d5	20%	15-110%
118-79-6	2,4,6-Tribromophenol	97%	15-110%
4165-60-0	Nitrobenzene-d5	88%	30-130%
321-60-8	2-Fluorobiphenyl	84%	30-130%
1718-51-0	Terphenyl-d14	85%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-MS	R32333.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179
OP34082-MSD	R32334.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179
MC22900-3	R32335.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22754-1, MC22754-2

CAS No.	Compound	MC22900-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		50	22.6	45	50	21.9	44	3	30-130/20
95-57-8	2-Chlorophenol	ND		50	43.8	88	50	41.4	83	6	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		50	45.7	91	50	43.7	87	4	30-130/20
120-83-2	2,4-Dichlorophenol	ND		50	45.6	91	50	43.8	88	4	30-130/20
105-67-9	2,4-Dimethylphenol	ND		50	41.5	83	50	39.1	78	6	30-130/20
51-28-5	2,4-Dinitrophenol	ND		50	44.6	89	50	43.4	87	3	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		50	46.9	94	50	45.8	92	2	30-130/20
95-48-7	2-Methylphenol	ND		50	40.3	81	50	39.1	78	3	30-130/20
	3&4-Methylphenol	ND		100	74.8	75	100	73.0	73	2	30-130/20
88-75-5	2-Nitrophenol	ND		50	46.2	92	50	44.3	89	4	30-130/20
100-02-7	4-Nitrophenol	ND		50	20.0	40	50	19.0	38	5	30-130/20
87-86-5	Pentachlorophenol	ND		50	46.7	93	50	43.9	88	6	30-130/20
108-95-2	Phenol	ND		50	20.2	40	50	19.3	39	5	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		50	49.8	100	50	48.4	97	3	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		50	48.2	96	50	46.7	93	3	30-130/20
62-53-3	Aniline	ND		50	34.9	70	50	34.3	69	2	40-140/20
101-55-3	4-Bromophenyl phenyl ether	ND		50	44.7	89	50	44.4	89	1	40-140/20
85-68-7	Butyl benzyl phthalate	ND		50	42.5	85	50	42.3	85	0	40-140/20
100-51-6	Benzyl Alcohol	ND		50	36.5	73	50	36.1	72	1	40-140/20
91-58-7	2-Chloronaphthalene	ND		50	42.7	85	50	43.2	86	1	40-140/20
106-47-8	4-Chloroaniline	ND		50	39.3	79	50	38.7	77	2	40-140/20
111-91-1	bis(2-Chloroethoxy)methane	ND		50	38.3	77	50	38.8	78	1	40-140/20
111-44-4	bis(2-Chloroethyl)ether	ND		50	37.2	74	50	37.5	75	1	40-140/20
108-60-1	bis(2-Chloroisopropyl)ether	ND		50	38.1	76	50	37.9	76	1	40-140/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		50	48.4	97	50	48.4	97	0	40-140/20
122-66-7	1,2-Diphenylhydrazine	ND		50	37.4	75	50	37.8	76	1	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		50	47.3	95	50	46.9	94	1	40-140/20
606-20-2	2,6-Dinitrotoluene	ND		50	44.6	89	50	45.6	91	2	40-140/20
91-94-1	3,3'-Dichlorobenzidine	ND		50	41.9	84	50	42.5	85	1	40-140/20
132-64-9	Dibenzofuran	ND		50	44.6	89	50	44.1	88	1	40-140/20
84-74-2	Di-n-butyl phthalate	ND		50	43.1	86	50	42.8	86	1	40-140/20
117-84-0	Di-n-octyl phthalate	ND		50	46.7	93	50	46.9	94	0	40-140/20
84-66-2	Diethyl phthalate	ND		50	42.1	84	50	43.1	86	2	40-140/20
131-11-3	Dimethyl phthalate	ND		50	32.5	65	50	34.9	70	7	40-140/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		50	42.5	85	50	42.2	84	1	40-140/20
118-74-1	Hexachlorobenzene	ND		50	42.9	86	50	42.9	86	0	40-140/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34082-MS	R32333.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179
OP34082-MSD	R32334.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179
MC22900-3	R32335.D	1	07/23/13	KR	07/22/13	OP34082	MSR1179

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22754-1, MC22754-2

CAS No.	Compound	MC22900-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
77-47-4	Hexachlorocyclopentadiene	ND		50	20.4	41	50	18.9	38* [a]	8	40-140/20
67-72-1	Hexachloroethane	ND		50	32.4	65	50	32.3	65	0	40-140/20
78-59-1	Isophorone	ND		50	39.3	79	50	38.7	77	2	40-140/20
88-74-4	2-Nitroaniline	ND		50	50.0	100	50	49.7	99	1	40-140/20
99-09-2	3-Nitroaniline	ND		50	44.2	88	50	44.6	89	1	40-140/20
100-01-6	4-Nitroaniline	ND		50	48.5	97	50	46.7	93	4	40-140/20
98-95-3	Nitrobenzene	ND		50	35.4	71	50	34.3	69	3	40-140/20
62-75-9	n-Nitrosodimethylamine	ND		50	25.3	51	50	24.5	49	3	40-140/20
621-64-7	N-Nitroso-di-n-propylamine	ND		50	38.7	77	50	38.7	77	0	40-140/20
86-30-6	N-Nitrosodiphenylamine	ND		50	40.8	82	50	40.9	82	0	40-140/20
110-86-1	Pyridine	ND		50	23.1	46	50	21.1	42	9	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-3	Limits
367-12-4	2-Fluorophenol	57%	54%	55%	15-110%
4165-62-2	Phenol-d5	21%	21%	20%	15-110%
118-79-6	2,4,6-Tribromophenol	92%	89%	83%	15-110%
4165-60-0	Nitrobenzene-d5	80%	79%	74%	30-130%
321-60-8	2-Fluorobiphenyl	91%	92%	87%	30-130%
1718-51-0	Terphenyl-d14	81%	82%	85%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34084-MS	W14111.D	1	07/23/13	KR	07/22/13	OP34084	MSW638
OP34084-MSD	W14112.D	1	07/23/13	KR	07/22/13	OP34084	MSW638
MC22900-4	W14113.D	1	07/23/13	KR	07/22/13	OP34084	MSW638

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22754-1, MC22754-2

CAS No.	Compound	MC22900-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		50	41.6	83	50	42.2	84	1	40-140/20
208-96-8	Acenaphthylene	ND		50	34.8	70	50	34.9	70	0	40-140/20
120-12-7	Anthracene	ND		50	40.4	81	50	41.2	82	2	40-140/20
56-55-3	Benzo(a)anthracene	ND		50	44.6	89	50	44.8	90	0	40-140/20
50-32-8	Benzo(a)pyrene	ND		50	43.4	87	50	44.1	88	2	40-140/20
205-99-2	Benzo(b)fluoranthene	ND		50	49.1	98	50	49.2	98	0	40-140/20
191-24-2	Benzo(g,h,i)perylene	ND		50	41.1	82	50	42.0	84	2	40-140/20
207-08-9	Benzo(k)fluoranthene	ND		50	44.4	89	50	46.3	93	4	40-140/20
218-01-9	Chrysene	ND		50	41.1	82	50	41.3	83	0	40-140/20
53-70-3	Dibenzo(a,h)anthracene	ND		50	42.9	86	50	43.7	87	2	40-140/20
206-44-0	Fluoranthene	ND		50	44.2	88	50	43.9	88	1	40-140/20
86-73-7	Fluorene	ND		50	42.3	85	50	43.0	86	2	40-140/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		50	41.3	83	50	42.3	85	2	40-140/20
90-12-0	1-Methylnaphthalene	ND		50	41.1	82	50	40.6	81	1	40-140/20
91-57-6	2-Methylnaphthalene	ND		50	38.9	78	50	38.8	78	0	40-140/20
85-01-8	Phenanthrene	0.026	J	50	40.0	80	50	41.4	83	3	40-140/20
129-00-0	Pyrene	ND		50	41.8	84	50	41.5	83	1	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-4	Limits
367-12-4	2-Fluorophenol	57%	54%		15-110%
4165-62-2	Phenol-d5	21%	20%		15-110%
118-79-6	2,4,6-Tribromophenol	100%	99%		15-110%
4165-60-0	Nitrobenzene-d5	90%	90%	87%	30-130%
321-60-8	2-Fluorobiphenyl	86%	87%	82%	30-130%
1718-51-0	Terphenyl-d14	87%	87%	87%	30-130%

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1179-CC1159	**Injection Date:**	07/23/13
Lab File ID:	R32324.D	**Injection Time:**	11:40
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	76980	4.31	284275	5.37	178259	6.91	309710	8.32	356647	11.31	330501	12.90
Upper Limit [a]	153960	4.81	568550	5.87	356518	7.41	619420	8.82	713294	11.81	661002	13.40
Lower Limit [b]	38490	3.81	142138	4.87	89130	6.41	154855	7.82	178324	10.81	165251	12.40

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	90139	4.31	332191	5.37	199647	6.91	359456	8.32	413652	11.31	388344	12.90
ZZZZZZ	97620	4.31	366536	5.37	218947	6.91	393783	8.32	433912	11.31	405931	12.90
ZZZZZZ	111842	4.31	420997	5.37	258497	6.91	477849	8.32	537374	11.31	498751	12.90
OP34082-MB	101685	4.31	392549	5.37	241136	6.91	448433	8.32	502615	11.31	463400	12.90
OP34082-BS	97361	4.31	376246	5.37	228589	6.91	413741	8.32	468013	11.31	429704	12.90
OP34082-MS	97244	4.31	367656	5.37	222273	6.91	410899	8.32	458195	11.31	423812	12.90
OP34082-MSD	91413	4.31	351479	5.37	213138	6.91	393915	8.32	440020	11.31	401259	12.90
MC22900-3	93519	4.31	359279	5.37	216730	6.91	409341	8.32	456193	11.31	422669	12.90
ZZZZZZ	100825	4.31	380769	5.37	232915	6.91	428455	8.32	483203	11.31	447809	12.90
OP34083-MB	99233	4.31	372747	5.37	229869	6.91	422841	8.32	463738	11.31	400551	12.90
OP34083-BS	88760	4.31	333984	5.37	204423	6.91	373144	8.32	407105	11.31	360533	12.90
ZZZZZZ	90436	4.31	347779	5.37	215813	6.91	389451	8.32	428320	11.31	380729	12.90
ZZZZZZ	81259	4.31	314145	5.37	188126	6.90	347518	8.32	386157	11.31	353482	12.90
ZZZZZZ	84804	4.31	319554	5.37	194654	6.91	358864	8.32	396199	11.31	367243	12.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW638-CC633	**Injection Date:**	07/23/13
Lab File ID:	W14092.D	**Injection Time:**	08:11
Instrument ID:	GCMSW	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	193102	3.63	502863	4.61	249930	6.03	404799	7.30	268740	10.08	644563	11.51
Upper Limit [a]	386204	4.13	1005726	5.11	499860	6.53	809598	7.80	537480	10.58	1289126	12.01
Lower Limit [b]	96551	3.13	251432	4.11	124965	5.53	202400	6.80	134370	9.58	322282	11.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34059-MB	227441	3.63	594659	4.61	290205	6.03	460865	7.30	296043	10.08	693169	11.51
OP34059-BS	247653	3.63	633787	4.61	308659	6.03	495635	7.31	313466	10.08	718454	11.51
OP34059-MS	199896	3.63	517447	4.61	256506	6.03	409986	7.30	267440	10.08	626882	11.51
OP34059-MSD	197570	3.63	513947	4.61	254707	6.03	401500	7.30	261986	10.08	616051	11.51
MC22780-2A	205158	3.63	524572	4.61	262105	6.03	416845	7.30	272931	10.08	628663	11.51
ZZZZZZ	223423	3.63	568670	4.61	281800	6.03	439385	7.30	271509	10.08	631337	11.51
ZZZZZZ	204734	3.63	527019	4.61	258101	6.03	406500	7.30	262023	10.08	613670	11.51
ZZZZZZ	199557	3.63	508799	4.61	252964	6.03	404531	7.30	259465	10.08	607928	11.51
ZZZZZZ	237633	3.63	597335	4.61	292539	6.03	455016	7.31	280495	10.08	668282	11.51
ZZZZZZ	212837	3.63	539459	4.61	264515	6.03	414826	7.31	265236	10.08	616273	11.51
ZZZZZZ	213783	3.63	531745	4.61	252444	6.03	388139	7.31	252172	10.09	591767	11.51
ZZZZZZ	194809	3.63	501228	4.61	251199	6.03	392673	7.31	257965	10.09	592241	11.51
ZZZZZZ	217940	3.63	552841	4.61	271603	6.04	428731	7.31	281977	10.09	635272	11.52
ZZZZZZ	213390	3.63	550600	4.61	266240	6.03	419457	7.31	276414	10.09	607733	11.52
ZZZZZZ	219145	3.63	560134	4.61	276938	6.03	433502	7.31	286472	10.08	631560	11.51
OP34084-MB	217687	3.63	568133	4.61	284906	6.03	455578	7.31	298780	10.08	675248	11.51
OP34084-BS	210003	3.63	542202	4.61	273649	6.03	446118	7.31	282638	10.09	636862	11.52
OP34084-MS	212301	3.63	543439	4.61	273490	6.04	447051	7.31	277522	10.09	629588	11.52
OP34084-MSD	201352	3.63	513546	4.61	257097	6.03	413036	7.31	268466	10.09	607255	11.51
MC22900-4	197277	3.63	511587	4.61	255686	6.03	411341	7.31	273525	10.08	615810	11.51
ZZZZZZ	365554	3.63	926319	4.61	464462	6.04	739852	7.31	490313	10.09	1068505	11.52
ZZZZZZ	193545	3.63	494930	4.61	245614	6.03	387318	7.31	260187	10.09	563524	11.51
ZZZZZZ	211425	3.63	542503	4.61	266401	6.03	422599	7.31	275534	10.09	607089	11.52
ZZZZZZ	196096	3.63	500770	4.61	248864	6.03	392632	7.31	256143	10.08	574069	11.51

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW643-CC633	**Injection Date:**	07/30/13
Lab File ID:	W14207A.D	**Injection Time:**	15:33
Instrument ID:	GCMSW	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	158670	3.60	414604	4.58	205242	6.01	327251	7.28	219591	10.05	524243	11.48
Upper Limit [a]	317340	4.10	829208	5.08	410484	6.51	654502	7.78	439182	10.55	1048486	11.98
Lower Limit [b]	79335	3.10	207302	4.08	102621	5.51	163626	6.78	109796	9.55	262122	10.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34122-MB	177072	3.60	476666	4.58	233161	6.01	378794	7.28	242515	10.05	556671	11.48
OP34122-BS	86204	3.60	224730	4.58	112496	6.01	182011	7.28	119656	10.05	282229	11.48
OP34122-MS	200445	3.60	526942	4.58	259369	6.01	420528	7.28	271634	10.06	623968	11.48
OP34122-MSD	199009	3.60	517416	4.58	257014	6.01	413183	7.28	264313	10.06	603275	11.48
MC22900-21	204035	3.60	533372	4.58	262921	6.01	421923	7.28	273995	10.05	623116	11.48
ZZZZZZ	165567	3.60	436255	4.58	215659	6.01	340526	7.28	224257	10.05	518600	11.48
OP34127-MS	195199	3.60	507089	4.58	246484	6.01	386188	7.28	240938	10.05	562431	11.48
OP34127-MSD	182910	3.60	475096	4.58	232124	6.01	364459	7.28	231415	10.05	545145	11.48
MC22903-2A	179648	3.60	467941	4.58	228940	6.01	358098	7.28	228004	10.05	528231	11.48
ZZZZZZ	182587	3.60	480516	4.58	235233	6.01	367872	7.28	237967	10.05	549517	11.48
ZZZZZZ	190527	3.60	499057	4.58	243646	6.01	383164	7.28	240740	10.05	556470	11.48
ZZZZZZ	176566	3.60	459107	4.58	224949	6.01	348770	7.28	219916	10.05	518714	11.48
ZZZZZZ	165626	3.60	436959	4.58	215852	6.01	333405	7.28	210592	10.05	496876	11.48
ZZZZZZ	154296	3.60	412769	4.58	202099	6.01	318023	7.28	200918	10.05	467693	11.48
ZZZZZZ	196363	3.60	514698	4.58	249726	6.01	387149	7.28	244078	10.05	556688	11.48
ZZZZZZ	165068	3.60	445394	4.58	220168	6.01	350480	7.28	227517	10.05	515518	11.48
ZZZZZZ	187999	3.60	488456	4.58	243372	6.01	386995	7.28	246010	10.05	550567	11.48
ZZZZZZ	162810	3.60	431416	4.58	214458	6.01	341244	7.28	221431	10.05	510638	11.48
ZZZZZZ	205999	3.60	549592	4.58	271893	6.01	434115	7.28	277186	10.05	618033	11.48
OP34127-MB	204307	3.60	540423	4.58	262877	6.01	407907	7.28	250609	10.05	570445	11.48
OP34127-BS	177000	3.60	458929	4.58	227785	6.01	364747	7.28	229915	10.05	533465	11.48
ZZZZZZ	205717	3.60	545746	4.58	268305	6.01	428969	7.28	277430	10.05	645500	11.48
ZZZZZZ	164765	3.60	431320	4.58	217212	6.01	346360	7.28	234035	10.05	546751	11.48
ZZZZZZ	192284	3.60	507740	4.58	248417	6.01	393110	7.28	245669	10.05	553470	11.48
ZZZZZZ	178904	3.60	473610	4.58	234631	6.01	370428	7.28	244431	10.05	561186	11.48
ZZZZZZ	178748	3.60	466955	4.58	231068	6.01	366848	7.28	234187	10.05	532612	11.48
ZZZZZZ	192154	3.60	515855	4.58	254486	6.01	404147	7.28	260871	10.05	586388	11.48
MC22754-1	163260	3.60	431624	4.58	217873	6.01	350311	7.28	233706	10.05	539238	11.48
MC22754-2	151221	3.60	400891	4.58	200150	6.01	324872	7.28	219014	10.05	519128	11.48

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12

Semivolatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW643-CC633	**Injection Date:**	07/30/13
Lab File ID:	W14207A.D	**Injection Time:**	15:33
Instrument ID:	GCMSW	**Method:**	SW846 8270C BY SIM

Lab	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW646-CC633	**Injection Date:**	07/31/13
Lab File ID:	W14262.D	**Injection Time:**	17:03
Instrument ID:	GCMSW	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	279952	3.59	738324	4.57	370376	5.99	583458	7.26	372922	10.03	859175	11.45
Upper Limit [a]	559904	4.09	1476648	5.07	740752	6.49	1166916	7.76	745844	10.53	1718350	11.95
Lower Limit [b]	139976	3.09	369162	4.07	185188	5.49	291729	6.76	186461	9.53	429588	10.95

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34211-MB	140801	3.68	564115	4.73	352961	6.24	591071	7.57	611115	10.46	574573	12.03*
OP34202-MB	140801	3.68	564115	4.73	352961	6.24	591071	7.57	611115	10.46	574573	12.03*
OP34211-BS	160225	3.68	634919	4.73	392657	6.24	665835	7.57	647082	10.47	635978	12.03*
OP34202-BS	160225	3.68	634919	4.73	392657	6.24	665835	7.57	647082	10.47	635978	12.03*
OP34202-MS	145729	3.68	582949	4.73	363057	6.24	620214	7.57	603623	10.46	589831	12.03*
OP34202-MSD	145829	3.68	584815	4.73	360489	6.24	614454	7.57	598399	10.46	597719	12.03*
MC23100-2	139860*	3.68	558470	4.73	351045	6.24	594952	7.57	588691	10.46	557155	12.03*
ZZZZZZ	138252*	3.68	556022	4.73	347601	6.24	581874	7.57	592400	10.46	567722	12.03*
ZZZZZZ	131650*	3.68	517184	4.73	322347	6.24	557014	7.57	560337	10.46	541625	12.03*
ZZZZZZ	120517*	3.68	487874	4.73	303129	6.24	516166	7.57	514153	10.46	496478	12.03*
ZZZZZZ	130627*	3.68	522938	4.73	322872	6.24	540342	7.57	554106	10.46	529899	12.03*
ZZZZZZ	125788*	3.68	501678	4.73	312953	6.24	523425	7.57	545010	10.46	519366	12.03*
ZZZZZZ	128232*	3.68	506830	4.73	313849	6.24	524818	7.57	543409	10.46	521977	12.03*
MC22754-1	128266*	3.68	510255	4.73	323150	6.24	536949	7.57	549363	10.46	523197	12.03*
MC22754-2	140318	3.68	559313	4.73	347683	6.24	582272	7.57	599147	10.46	565883	12.03*
ZZZZZZ	314724	3.59	830039	4.57	416044	5.99	649114	7.26	415052	10.03	955285	11.45
ZZZZZZ	295197	3.59	781273	4.57	387606	5.99	615043	7.26	398232	10.03	907045	11.45
ZZZZZZ	286831	3.59	756162	4.57	373246	5.99	588475	7.26	378914	10.03	871619	11.45
ZZZZZZ	282479	3.59	738703	4.57	372057	5.99	588240	7.26	379750	10.03	866568	11.45
ZZZZZZ	300844	3.59	786733	4.57	393744	5.99	618768	7.26	408114	10.03	918684	11.45
ZZZZZZ	293503	3.59	772726	4.57	383463	5.99	603941	7.26	391700	10.03	900407	11.45
ZZZZZZ	296200	3.59	783061	4.57	391731	5.99	619437	7.26	395510	10.03	911718	11.45
ZZZZZZ	276759	3.59	724469	4.57	358355	5.99	568653	7.26	366102	10.03	844639	11.45
ZZZZZZ	301192	3.59	799512	4.57	396573	5.99	625152	7.26	395491	10.03	912997	11.45
ZZZZZZ	146887	3.68	583950	4.73	363193	6.24	606435	7.57	623190	10.46	603834	12.03*
ZZZZZZ	143646	3.68	574389	4.73	355073	6.24	585831	7.58	601639	10.46	571888	12.03*

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW646-CC633	**Injection Date:**	07/31/13
Lab File ID:	W14262.D	**Injection Time:**	17:03
Instrument ID:	GCMSW	**Method:**	SW846 8270C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC22754-1	W14275.D	60	32	87	72	75	79
MC22754-2	W14276.D	59	23	97	79	80	84
OP34082-BS	R32332.D	57	21	93	76	87	80
OP34082-MB	R32331.D	48	18	73	67	77	77
OP34082-MS	R32333.D	57	21	92	80	91	81
OP34082-MSD	R32334.D	54	21	89	79	92	82

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Semivolatile Surrogate Recovery Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22754-1	W14235.D	79	80	80
MC22754-2	W14236.D	83	85	86
OP34084-BS	W14110.D	88	84	85
OP34084-MB	W14109.D	76	73	81
OP34084-MS	W14111.D	90	86	87
OP34084-MSD	W14112.D	90	87	87

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	30-130%
S2 = 2-Fluorobiphenyl	30-130%
S3 = Terphenyl-d14	30-130%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries

Method Blank Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-MB	BK27122.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22754-1, MC22754-2, MC22754-4

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0097	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	Bromofluorobenzene (S)	138%	36-173%
460-00-4	Bromofluorobenzene (S)	123%	36-173%

Blank Spike Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-BS	BK27123.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22754-1, MC22754-2, MC22754-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
96-12-8	1,2-Dibromo-3-chloropropane	0.071	0.085	120	60-140
106-93-4	1,2-Dibromoethane	0.071	0.077	108	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	Bromofluorobenzene (S)	125%	36-173%
460-00-4	Bromofluorobenzene (S)	107%	36-173%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-MS	BK27124.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
OP34095-MSD	BK27125.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
MC22692-3	BK27129.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22754-1, MC22754-2, MC22754-4

CAS No.	Compound	MC22692-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
96-12-8	1,2-Dibromo-3-chloropropane	ND		0.0677	0.060	89	0.0675	0.057	84	5	64-141/29
106-93-4	1,2-Dibromoethane	ND		0.0677	0.071	105	0.0675	0.073	108	3	63-163/27

CAS No.	Surrogate Recoveries	MS	MSD	MC22692-3	Limits
460-00-4	Bromofluorobenzene (S)	89%	87%	123%	36-173%
460-00-4	Bromofluorobenzene (S)	76%	64%	91%	36-173%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8011 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC22754-1	BK27132.D	105	82
MC22754-2	BK27133.D	101	81
MC22754-4	BK27134.D	90	81
OP34095-BS	BK27123.D	125	107
OP34095-MB	BK27122.D	138	123
OP34095-MS	BK27124.D	89	76
OP34095-MSD	BK27125.D	87	64

Surrogate Compounds	Recovery Limits
S1 = Bromofluorobenzene (S)	36-173%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27116A.D	**Injection Time:**	05:10
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27117.D	07/25/13	05:36	4.58	4.94
ZZZZZZ	BK27118.D	07/25/13	06:00	4.58	4.94
ZZZZZZ	BK27119.D	07/25/13	06:24	4.58	4.94
ZZZZZZ	BK27120.D	07/25/13	06:48	4.58	4.94
ZZZZZZ	BK27121.D	07/25/13	07:12	4.58	4.94
OP34095-MB	BK27122.D	07/25/13	07:35	4.58	4.94
OP34095-BS	BK27123.D	07/25/13	07:59	4.58	4.94
OP34095-MS	BK27124.D	07/25/13	08:23	4.58	4.94
OP34095-MSD	BK27125.D	07/25/13	08:47	4.58	4.94
ZZZZZZ	BK27126.D	07/25/13	09:11	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22754
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27127.D	**Injection Time:**	09:36
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27128.D	07/25/13	10:00	4.58	4.94
MC22692-3	BK27129.D	07/25/13	10:24	4.58	4.94
ZZZZZZ	BK27130.D	07/25/13	10:49	4.58	4.94
ZZZZZZ	BK27131.D	07/25/13	11:13	4.58	4.94
MC22754-1	BK27132.D	07/25/13	11:37	4.58	4.94
MC22754-2	BK27133.D	07/25/13	12:01	4.58	4.94
MC22754-4	BK27134.D	07/25/13	12:25	4.58	4.94
ZZZZZZ	BK27135.D	07/25/13	12:50	4.58	4.94
ZZZZZZ	BK27136.D	07/25/13	13:14	4.58	4.94
ZZZZZZ	BK27137.D	07/25/13	13:38	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana,

SGS Accutest Job Number: MC22808

Sampling Date: 07/17/13

Report to:

AECOM, INC.

Melissa.mansker@aecom.com

ATTN: Melissa Mansker

Total number of pages in report: 150

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

SGS ACCUTEST

October 25, 2016

AECOM
1001 Highlands Plaza Drive West Suite 300
St. Louis, MO 63110

RE: SGS Accutest Job # MC22808

Dear Elizabeth Kunkel

As you are aware, SGS Accutest Inc. - Marlborough has been conducting an extensive review of data associated with some historical Gas Chromatography-Mass Spectroscopy volatiles analyses. As a result of this review it was determined that some revisions of the original test report for this job were needed. These corrections have been incorporated into the revised report.

Please be assured that corrective actions have been put in place to address this matter and prevent a recurrence.

We apologize for any inconvenience that this issue may have caused. Please don't hesitate to contact us if we can be of further assistance.

Sincerely,

H. (Brad) Madadian

Regional Laboratory Director
SGS Accutest Inc. - Marlborough

Sections: 1 2 3 4 5 6 7 8

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Sample Summary

Shell Oil

Job No: MC22808

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC22808-1	07/17/13	09:35	LRDM	07/18/13	AQ	Ground Water	MW4-ROX-071713
MC22808-2	07/17/13	10:30	LRDM	07/18/13	AQ	Ground Water	MW7-ROX-071713
MC22808-3	07/17/13	11:30	LRDM	07/18/13	AQ	Ground Water	MW8-ROX-071713
MC22808-4	07/17/13	11:30	LRDM	07/18/13	AQ	Ground Water	MW8-ROX-071713-DUP
MC22808-5	07/17/13	00:00	LRDM	07/18/13	AQ	Ground Water	TB-ROX-071713-HCL
MC22808-6	07/17/13	00:00	LRDM	07/18/13	AQ	Ground Water	TB-ROX-071713-ST

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Shell Oil	**Job No**	MC22808
Site:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Centra	**Report Date**	10/25/2016 10:57:49 A

6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 07/17/2013 and were received at SGS Accutest New England on 07/18/2013 properly preserved, at 2.1 Deg. C and intact. These Samples received a job number of MC22808. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report. 1-Chlorohexane, Benzenethiol, Dibenz(a,h)acridine, Indene and Quinoline were searched in the library search and reported only if detections were found.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** MSK2364

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23063-7MS, MC23063-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 2-Butanone (MEK), 2-Chloroethyl vinyl ether, Vinyl Acetate are outside control limits.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference.

Matrix: AQ **Batch ID:** MSK2366

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22784-4MS, MC22784-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery/Matrix Spike Duplicate(s) for Benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** MSK2368

- Sample(s) MC22975-2MS, MC22975-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were run outside of holding time for method SW846 8260B: MC22808-2 Sample reanalyzed past recommended hold time.

Matrix: AQ **Batch ID:** MSL3537

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC22841-37MS, MC22841-37MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Vinyl Acetate are outside control limits.
- Matrix Spike Recovery(s) for 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrylonitrile, Chloromethane, Ethylbenzene, Vinyl Acetate, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2-Butanone (MEK), Acetone, Acrylonitrile, Chloromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.
- Vinyl Acetate: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
- MC22808-2 for Toluene-D8: Outside control limits due to possible matrix interference. Confirmed by reanalysis.
- Acrolein: Initial calibration verification outside acceptance limits, biased high. Associated samples are non-detect.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP34099

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22900-7MS, MC22900-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits.
- Matrix Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- Matrix Spike Duplicate Recovery(s) for Hexachlorocyclopentadiene, Pyridine are outside control limits. Probable cause due to matrix interference.
- Initial calibration Verification standard MSR1160-ICV1159 for Hexachlorocyclopentadiene exceeds 50% Difference. is within criteria in continuing calibration check MSR1181-CC1159.
- Initial calibration Verification standard MSF3031-ICV3031 for Hexachlorocyclopentadiene exceeds 50% Difference. is within criteria in continuing calibration check MSF3050-CC3031.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP34100

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC22900-8MS, MC22900-8MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8011

Matrix: AQ **Batch ID:** OP34095

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC22692-3MS, MC22692-3MSD were used as the QC samples indicated.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC22808).

Summary of Hits

Job Number: MC22808
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/17/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22808-1	MW4-ROX-071713					
Benzene		12200	130	110	ug/l	SW846 8260B
sec-Butylbenzene		1.6 J	5.0	0.58	ug/l	SW846 8260B
Ethylbenzene		1.5	1.0	0.38	ug/l	SW846 8260B
2-Hexanone		4.1 J	5.0	2.3	ug/l	SW846 8260B
Isopropylbenzene		6.7	5.0	0.64	ug/l	SW846 8260B
Methyl Tert Butyl Ether		55.9	1.0	0.43	ug/l	SW846 8260B
n-Propylbenzene		8.0	5.0	0.59	ug/l	SW846 8260B
Toluene		38.1	1.0	0.46	ug/l	SW846 8260B
1,1,2-Trichloroethane		0.85 J	1.0	0.49	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1.2 J	5.0	0.47	ug/l	SW846 8260B
Vinyl Acetate [a]		39.2	5.0	1.3	ug/l	SW846 8260B
m,p-Xylene		30.2	1.0	0.70	ug/l	SW846 8260B
o-Xylene		5.2	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		35.3	1.0	0.41	ug/l	SW846 8260B
Phenol		66.1	5.5	0.56	ug/l	SW846 8270C
Acenaphthene		0.036 J	0.11	0.015	ug/l	SW846 8270C BY SIM
Benzo(a)pyrene		0.040 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Benzo(b)fluoranthene		0.034 J	0.055	0.026	ug/l	SW846 8270C BY SIM
Benzo(g,h,i)perylene		0.061 J	0.11	0.041	ug/l	SW846 8270C BY SIM
Indeno(1,2,3-cd)pyrene		0.052 J	0.11	0.051	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		0.37	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		0.23	0.22	0.057	ug/l	SW846 8270C BY SIM
Phenanthrene		0.030 J	0.055	0.014	ug/l	SW846 8270C BY SIM
MC22808-2	MW7-ROX-071713					
Benzene [b]		1000000	5000	4500	ug/l	SW846 8260B
sec-Butylbenzene		2.3 J	5.0	0.58	ug/l	SW846 8260B
Ethylbenzene		200	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene		9.6	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene		1.6 J	5.0	0.55	ug/l	SW846 8260B
Methyl Tert Butyl Ether		3.1	1.0	0.43	ug/l	SW846 8260B
Naphthalene		18.5	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		17.3	5.0	0.59	ug/l	SW846 8260B
Toluene		289	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		117	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		26.4	5.0	1.1	ug/l	SW846 8260B
Vinyl Acetate [a]		9.4	5.0	1.3	ug/l	SW846 8260B
m,p-Xylene		455	1.0	0.70	ug/l	SW846 8260B
o-Xylene		183	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		639	1.0	0.41	ug/l	SW846 8260B
Phenol		118	5.4	0.56	ug/l	SW846 8270C
Acenaphthene		0.19	0.11	0.015	ug/l	SW846 8270C BY SIM

Summary of Hits

Job Number: MC22808
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/17/13

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Acenaphthylene	0.031 J	0.11	0.014	ug/l	SW846 8270C BY SIM
Anthracene	0.028 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Benzo(a)anthracene	0.040 J	0.054	0.033	ug/l	SW846 8270C BY SIM
Benzo(a)pyrene	0.044 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Benzo(b)fluoranthene	0.045 J	0.054	0.026	ug/l	SW846 8270C BY SIM
Benzo(g,h,i)perylene	0.080 J	0.11	0.041	ug/l	SW846 8270C BY SIM
Dibenzo(a,h)anthracene	0.077 J	0.11	0.045	ug/l	SW846 8270C BY SIM
Fluorene	0.19	0.11	0.050	ug/l	SW846 8270C BY SIM
Indeno(1,2,3-cd)pyrene	0.078 J	0.11	0.050	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	4.3	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	6.0	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene	0.24	0.054	0.014	ug/l	SW846 8270C BY SIM
Pyrene	0.039 J	0.11	0.039	ug/l	SW846 8270C BY SIM
MC22808-3 MW8-ROX-071713					
Acetone	8.0 J	10	2.8	ug/l	SW846 8260B
Benzene	532000	1000	900	ug/l	SW846 8260B
sec-Butylbenzene	3.3 J	5.0	0.58	ug/l	SW846 8260B
Ethylbenzene	508	100	38	ug/l	SW846 8260B
Isopropylbenzene	17.3	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene	2.3 J	5.0	0.55	ug/l	SW846 8260B
Methyl Tert Butyl Ether	197	1.0	0.43	ug/l	SW846 8260B
Naphthalene	33.5	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene	37.4	5.0	0.59	ug/l	SW846 8260B
Toluene	348	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	199	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	59.8	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene	1010	100	70	ug/l	SW846 8260B
o-Xylene	361	1.0	0.41	ug/l	SW846 8260B
Xylene (total)	1300	100	41	ug/l	SW846 8260B
2,4-Dimethylphenol	9.0 J	10	1.2	ug/l	SW846 8270C
2-Methylphenol	4.6 J	10	1.3	ug/l	SW846 8270C
3&4-Methylphenol	10.6	10	2.1	ug/l	SW846 8270C
Phenol	328	26	2.7	ug/l	SW846 8270C
Acenaphthene	0.20	0.10	0.014	ug/l	SW846 8270C BY SIM
Anthracene	0.049 J	0.10	0.018	ug/l	SW846 8270C BY SIM
Benzo(a)pyrene	0.021 J	0.10	0.018	ug/l	SW846 8270C BY SIM
Benzo(g,h,i)perylene	0.040 J	0.10	0.039	ug/l	SW846 8270C BY SIM
Fluorene	0.33	0.10	0.048	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	9.7	0.21	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	11.3	0.21	0.054	ug/l	SW846 8270C BY SIM
Phenanthrene	0.15	0.052	0.013	ug/l	SW846 8270C BY SIM
Pyrene	0.062 J	0.10	0.037	ug/l	SW846 8270C BY SIM

Summary of Hits

Job Number: MC22808
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/17/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22808-4	MW8-ROX-071713-DUP					
Benzene		494000	2500	2300	ug/l	SW846 8260B
sec-Butylbenzene		3.1 J	5.0	0.58	ug/l	SW846 8260B
Ethylbenzene		442 J	1000	380	ug/l	SW846 8260B
Isopropylbenzene		17.4	5.0	0.64	ug/l	SW846 8260B
p-Isopropyltoluene		2.4 J	5.0	0.55	ug/l	SW846 8260B
Methyl Tert Butyl Ether		187	1.0	0.43	ug/l	SW846 8260B
Naphthalene		34.7	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		38.3	5.0	0.59	ug/l	SW846 8260B
Toluene		341	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		203	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		61.3	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene		818 J	1000	700	ug/l	SW846 8260B
o-Xylene		364	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		1050	1000	410	ug/l	SW846 8260B
2,4-Dimethylphenol		8.9 J	11	1.2	ug/l	SW846 8270C
2-Methylphenol		3.7 J	11	1.4	ug/l	SW846 8270C
3&4-Methylphenol		9.1 J	11	2.2	ug/l	SW846 8270C
Phenol		303	27	2.8	ug/l	SW846 8270C
Dibenzofuran		0.40 J	2.2	0.17	ug/l	SW846 8270C
Acenaphthene		0.19	0.11	0.015	ug/l	SW846 8270C BY SIM
Acenaphthylene		0.056 J	0.11	0.014	ug/l	SW846 8270C BY SIM
Anthracene		0.061 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Fluorene		0.36	0.11	0.050	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene		8.7	0.22	0.15	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene		9.8	0.22	0.056	ug/l	SW846 8270C BY SIM
Phenanthrene		0.16	0.054	0.014	ug/l	SW846 8270C BY SIM

MC22808-5 TB-ROX-071713-HCL

No hits reported in this sample.

MC22808-6 TB-ROX-071713-ST

No hits reported in this sample.

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
(b) Sample reanalyzed past recommended hold time.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76152.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72604.D	25	07/30/13	GK	n/a	n/a	MSK2364
Run #3	K72655.D	250	07/31/13	GK	n/a	n/a	MSK2366

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	12200 [a]	130	110	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	1.6	5.0	0.58	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [b]	130	28	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	1.5	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	4.1	5.0	2.3	ug/l	J
98-82-8	Isopropylbenzene	6.7	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	55.9	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	8.0	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	38.1	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	0.85	1.0	0.49	ug/l	J
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.2	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [c]	39.2	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	30.2	1.0	0.70	ug/l	
95-47-6	o-Xylene	5.2	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	35.3	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	86%	108%	113%	70-130%
2037-26-5	Toluene-D8	94%	100%	98%	70-130%
460-00-4	4-Bromofluorobenzene	107%	94%	93%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 3
(b) Result is from Run# 2
(c) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32372.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.5	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.54	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.55	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.64	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	66.1	5.5	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.63	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.70	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.5	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.5	0.94	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.63	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.5	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.5	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.5	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.5	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.5	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.5	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.74	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.5	0.55	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.5	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.5	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.5	0.55	ug/l	
131-11-3	Dimethyl phthalate	ND	5.5	0.55	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.5	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.5	0.48	ug/l	
78-59-1	Isophorone	ND	5.5	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.55	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.5	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.5	0.55	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.5	0.89	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		15-110%
4165-62-2	Phenol-d5	17%		15-110%
118-79-6	2,4,6-Tribromophenol	76%		15-110%
4165-60-0	Nitrobenzene-d5	65%		30-130%
321-60-8	2-Fluorobiphenyl	75%		30-130%
1718-51-0	Terphenyl-d14	81%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14163.D	1	07/25/13	WK	07/23/13	OP34100	MSW640
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.036	0.11	0.015	ug/l	J
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.055	0.033	ug/l	
50-32-8	Benzo(a)pyrene	0.040	0.11	0.019	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.034	0.055	0.026	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.061	0.11	0.041	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.080	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.052	0.11	0.051	ug/l	J
90-12-0	1-Methylnaphthalene	0.37	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	0.23	0.22	0.057	ug/l	
85-01-8	Phenanthrene	0.030	0.055	0.014	ug/l	J
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		15-110%
4165-62-2	Phenol-d5	17%		15-110%
118-79-6	2,4,6-Tribromophenol	83%		15-110%
4165-60-0	Nitrobenzene-d5	68%		30-130%
321-60-8	2-Fluorobiphenyl	72%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW4-ROX-071713		
Lab Sample ID:	MC22808-1	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27135.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	89%		36-173%
460-00-4	Bromofluorobenzene (S)	95%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76153.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72605.D	100	07/30/13	GK	n/a	n/a	MSK2364
Run #3 [a]	K72705.D	10000	08/01/13	GK	n/a	n/a	MSK2368

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	1000000 [b]	5000	4500	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	2.3	5.0	0.58	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [c]	500	110	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	200	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	9.6	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	1.6	5.0	0.55	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	3.1	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	18.5	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	17.3	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	289	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	117	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	26.4	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [d]	9.4	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	455	1.0	0.70	ug/l	
95-47-6	o-Xylene	183	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	639	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	82%	110%	113%	70-130%
2037-26-5	Toluene-D8	139% [e]	103%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	94%	92%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Sample reanalyzed past recommended hold time.
(b) Result is from Run# 3
(c) Result is from Run# 2
(d) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
(e) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32373.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	118	5.4	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.93	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.71	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.70	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.48	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		15-110%
4165-62-2	Phenol-d5	21%		15-110%
118-79-6	2,4,6-Tribromophenol	85%		15-110%
4165-60-0	Nitrobenzene-d5	56%		30-130%
321-60-8	2-Fluorobiphenyl	73%		30-130%
1718-51-0	Terphenyl-d14	79%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14164.D	1	07/25/13	WK	07/23/13	OP34100	MSW640
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.19	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.031	0.11	0.014	ug/l	J
120-12-7	Anthracene	0.028	0.11	0.019	ug/l	J
56-55-3	Benzo(a)anthracene	0.040	0.054	0.033	ug/l	J
50-32-8	Benzo(a)pyrene	0.044	0.11	0.019	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.045	0.054	0.026	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.080	0.11	0.041	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.079	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.077	0.11	0.045	ug/l	J
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	0.19	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.078	0.11	0.050	ug/l	J
90-12-0	1-Methylnaphthalene	4.3	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	6.0	0.22	0.056	ug/l	
85-01-8	Phenanthrene	0.24	0.054	0.014	ug/l	
129-00-0	Pyrene	0.039	0.11	0.039	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		15-110%
4165-62-2	Phenol-d5	20%		15-110%
118-79-6	2,4,6-Tribromophenol	91%		15-110%
4165-60-0	Nitrobenzene-d5	65%		30-130%
321-60-8	2-Fluorobiphenyl	69%		30-130%
1718-51-0	Terphenyl-d14	83%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW7-ROX-071713		
Lab Sample ID:	MC22808-2	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27136.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	35.8 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	51%		36-173%
460-00-4	Bromofluorobenzene (S)	50%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76154.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72606.D	100	07/30/13	GK	n/a	n/a	MSK2364
Run #3	K72657.D	2000	07/31/13	GK	n/a	n/a	MSK2366

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.0	10	2.8	ug/l	J
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	532000 [a]	1000	900	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	3.3	5.0	0.58	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [b]	500	110	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	508 [b]	100	38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	17.3	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	2.3	5.0	0.55	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	197	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	33.5	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	37.4	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	348	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	199	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	59.8	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [c]	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	1010 [b]	100	70	ug/l	
95-47-6	o-Xylene	361	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	1300 [b]	100	41	ug/l	

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	81%	109%	113%	70-130%
2037-26-5	Toluene-D8	119%	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	99%	93%	93%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 3
(b) Result is from Run# 2
(c) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32374.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
Run #2	F65884.D	5	07/31/13	KR	07/23/13	OP34099	MSF3050

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2	960 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.2	0.40	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.51	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.34	ug/l	
105-67-9	2,4-Dimethylphenol	9.0	10	1.2	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	21	2.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	4.6	10	1.3	ug/l	J
	3&4-Methylphenol	10.6	10	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.52	ug/l	
100-02-7	4-Nitrophenol	ND	21	0.61	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	328 [a]	26	2.7	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.60	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.33	ug/l	
62-53-3	Aniline	ND	10	0.66	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.2	0.21	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.2	0.89	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.60	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.2	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.2	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.2	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.2	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.2	0.68	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.70	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.67	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.52	ug/l	
132-64-9	Dibenzofuran	ND	2.1	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.2	0.40	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.2	0.45	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.2	0.52	ug/l	
131-11-3	Dimethyl phthalate	ND	5.2	0.52	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.51	ug/l	
118-74-1	Hexachlorobenzene	ND	5.2	0.31	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.6	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.46	ug/l	
78-59-1	Isophorone	ND	5.2	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.52	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.5	ug/l	
98-95-3	Nitrobenzene	ND	5.2	0.26	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.2	0.52	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.2	0.84	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.56	ug/l	
110-86-1	Pyridine	ND	10	0.54	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%	61%	15-110%
4165-62-2	Phenol-d5	23%	31%	15-110%
118-79-6	2,4,6-Tribromophenol	92%	98%	15-110%
4165-60-0	Nitrobenzene-d5	68%	99%	30-130%
321-60-8	2-Fluorobiphenyl	80%	93%	30-130%
1718-51-0	Terphenyl-d14	75%	89%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14165.D	1	07/25/13	WK	07/23/13	OP34100	MSW640
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.20	0.10	0.014	ug/l	
208-96-8	Acenaphthylene	ND	0.10	0.014	ug/l	
120-12-7	Anthracene	0.049	0.10	0.018	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.052	0.031	ug/l	
50-32-8	Benzo(a)pyrene	0.021	0.10	0.018	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	0.052	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.040	0.10	0.039	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.061	ug/l	
218-01-9	Chrysene	ND	0.10	0.076	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.043	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.034	ug/l	
86-73-7	Fluorene	0.33	0.10	0.048	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.048	ug/l	
90-12-0	1-Methylnaphthalene	9.7	0.21	0.15	ug/l	
91-57-6	2-Methylnaphthalene	11.3	0.21	0.054	ug/l	
85-01-8	Phenanthrene	0.15	0.052	0.013	ug/l	
129-00-0	Pyrene	0.062	0.10	0.037	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		15-110%
4165-62-2	Phenol-d5	23%		15-110%
118-79-6	2,4,6-Tribromophenol	94%		15-110%
4165-60-0	Nitrobenzene-d5	77%		30-130%
321-60-8	2-Fluorobiphenyl	74%		30-130%
1718-51-0	Terphenyl-d14	77%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713		
Lab Sample ID:	MC22808-3	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27137.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.7 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	104%		36-173%
460-00-4	Bromofluorobenzene (S)	99%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76155.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72607.D	1000	07/30/13	GK	n/a	n/a	MSK2364
Run #3	K72656.D	5000	07/31/13	GK	n/a	n/a	MSK2366

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	494000 [a]	2500	2300	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	3.1	5.0	0.58	ug/l	J
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [b]	5000	1100	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	442 [b]	1000	380	ug/l	J
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	17.4	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	2.4	5.0	0.55	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	187	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	34.7	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	38.3	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	341	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	203	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	61.3	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [c]	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	818 [b]	1000	700	ug/l	J
95-47-6	o-Xylene	364	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	1050 [b]	1000	410	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	80%	110%	115%	70-130%
2037-26-5	Toluene-D8	118%	100%	98%	70-130%
460-00-4	4-Bromofluorobenzene	100%	94%	94%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 3
(b) Result is from Run# 2
(c) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32375.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
Run #2	F65885.D	5	07/31/13	KR	07/23/13	OP34099	MSF3050

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2	920 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.4	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	8.9	11	1.2	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	3.7	11	1.4	ug/l	J
	3&4-Methylphenol	9.1	11	2.2	ug/l	J
88-75-5	2-Nitrophenol	ND	11	0.54	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.63	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	303 [a]	27	2.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.62	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.69	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.4	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.4	0.93	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.62	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.4	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.4	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.4	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.4	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.4	0.71	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.73	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.70	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.54	ug/l	
132-64-9	Dibenzofuran	0.40	2.2	0.17	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	5.4	0.42	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.4	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.4	0.54	ug/l	
131-11-3	Dimethyl phthalate	ND	5.4	0.54	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.53	ug/l	
118-74-1	Hexachlorobenzene	ND	5.4	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.48	ug/l	
78-59-1	Isophorone	ND	5.4	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.54	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.7	ug/l	
98-95-3	Nitrobenzene	ND	5.4	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.4	0.54	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.4	0.88	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%	54%	15-110%
4165-62-2	Phenol-d5	22%	27%	15-110%
118-79-6	2,4,6-Tribromophenol	94%	97%	15-110%
4165-60-0	Nitrobenzene-d5	59%	82%	30-130%
321-60-8	2-Fluorobiphenyl	72%	81%	30-130%
1718-51-0	Terphenyl-d14	75%	84%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14166.D	1	07/26/13	WK	07/23/13	OP34100	MSW640
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.19	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.056	0.11	0.014	ug/l	J
120-12-7	Anthracene	0.061	0.11	0.019	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.054	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.054	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.041	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.079	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.045	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	0.36	0.11	0.050	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.050	ug/l	
90-12-0	1-Methylnaphthalene	8.7	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	9.8	0.22	0.056	ug/l	
85-01-8	Phenanthrene	0.16	0.054	0.014	ug/l	
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		15-110%
4165-62-2	Phenol-d5	21%		15-110%
118-79-6	2,4,6-Tribromophenol	99%		15-110%
4165-60-0	Nitrobenzene-d5	65%		30-130%
321-60-8	2-Fluorobiphenyl	68%		30-130%
1718-51-0	Terphenyl-d14	79%		30-130%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW8-ROX-071713-DUP		
Lab Sample ID:	MC22808-4	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27139.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	121%		36-173%
460-00-4	Bromofluorobenzene (S)	107%		36-173%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071713-HCL		
Lab Sample ID:	MC22808-5	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72608.D	1	07/30/13	GK	n/a	n/a	MSK2364
Run #2	L76156.D	1	07/30/13	KR	n/a	n/a	MSL3537

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND [a]	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071713-HCL		
Lab Sample ID:	MC22808-5	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071713-HCL		
Lab Sample ID:	MC22808-5	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	79%	70-130%
2037-26-5	Toluene-D8	95%	93%	70-130%
460-00-4	4-Bromofluorobenzene	94%	105%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071713-ST		
Lab Sample ID:	MC22808-6	**Date Sampled:**	07/17/13
Matrix:	AQ - Ground Water	**Date Received:**	07/18/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27140.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	86%		36-173%
460-00-4	Bromofluorobenzene (S)	73%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

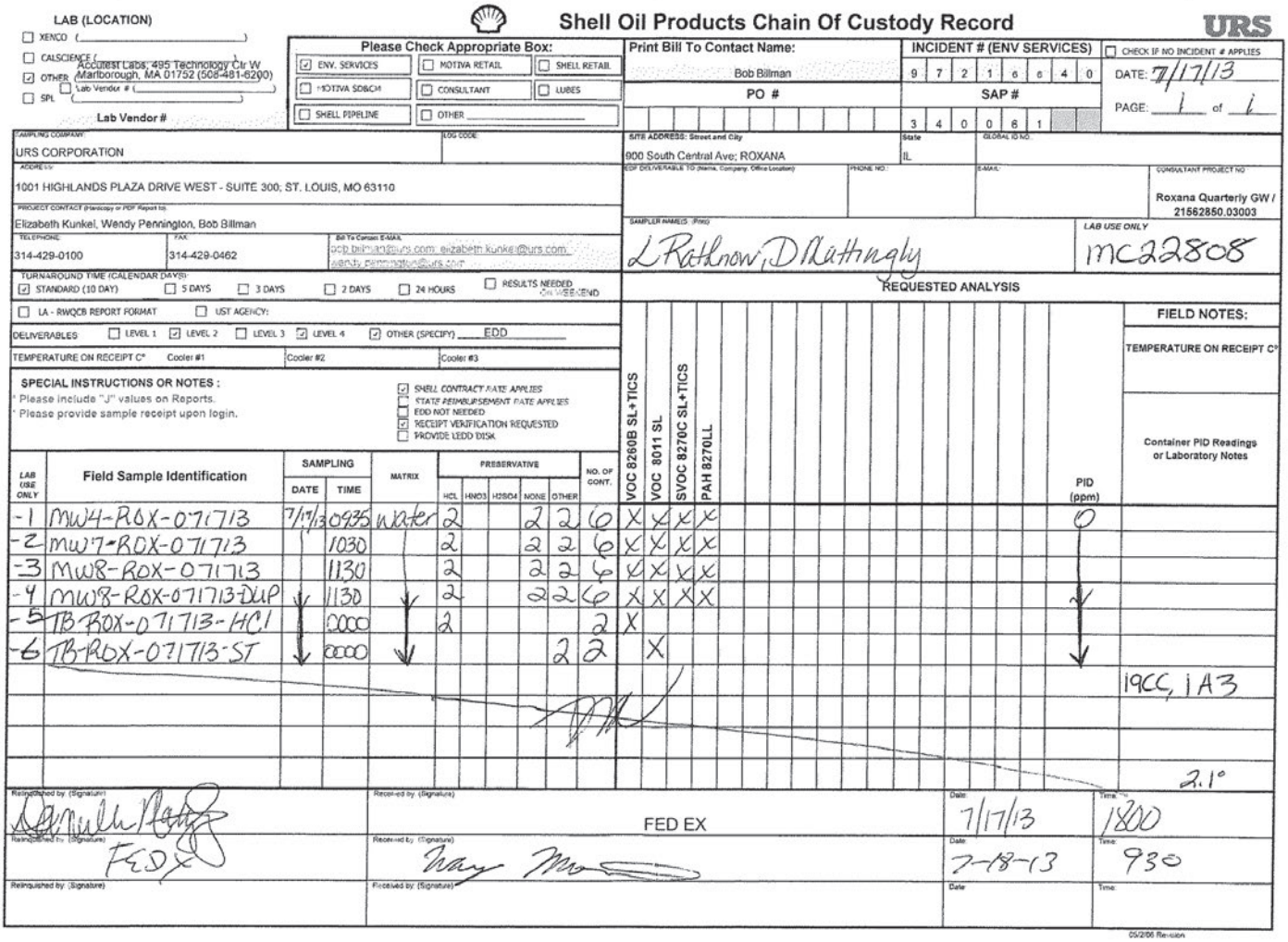
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- REPROC Form: Reprocessed/Corrected Data
- Sample Tracking Chronicle
- Internal Chain of Custody



LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☑ OTHER Accutest Labs; 495 Technology Ctr W Marlborough, MA 01752 (508-481-6200)
☐ SPL (_____)
Lab Vendor #

Shell Oil Products Chain Of Custody Record

URS

Please Check Appropriate Box:
☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Bob Billman
PO #
INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
SAP #: 3 4 0 0 6 1
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 7/17/13
PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
GLOBAL ID NO.:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO: Roxana Quarterly GW / 21562850.03003
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: acp.billman@urs.com; elizabeth.kunkel@urs.com; wendy.pennington@urs.com
SAMPLER NAME(S) (Print): L Rathnow, D Rathngly
LAB USE ONLY: MC22808

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports.
* Please provide sample receipt upon login.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	SVOC 8270C SL+TICS	PAH 8270LL	PID (ppm)	Container PID Readings or Laboratory Notes
-1	MW4-ROX-071713	7/17/13	0935	water	2			2	2	6	X	X	X	X	0	
-2	MW7-ROX-071713		1030		2			2	2	6	X	X	X	X		
-3	MW8-ROX-071713		1130		2			2	2	6	X	X	X	X		
-4	MW8-ROX-071713-DUP		1130		2			2	2	6	X	X	X	X		
-5	TB-ROX-071713-HCl		0000		2					2	X					
-6	TB-ROX-071713-ST		0000						2	2		X				
																19CC, 1A3
																2.1°

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

Relinquished by (Signature)	Received by (Signature)	Date	Time
	FED EX	7/17/13	1800
FEDX		7-18-13	930

05/2/06 Revision

MC22808: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC22808 **Client:** URS **Immediate Client Services Action Required:** No

Date / Time Received: 7/18/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 900 SOUTH CENTRAL **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

5.1

5

MC22808: Chain of Custody
Page 2 of 2

Initial Calibration Summary

Job Number: MC22808 **Sample:** MSL3534-ICC3534
Account: SHELLWIC Shell Oil **Lab FileID:** L76082.D
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Response Factor Report MSL

Method : O:\msl\1\methods\l130729wx.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

Calibration Files
0.5 =l76076.d 2 =l76078.d 5 =l76079.d 50 =l76082.d
10 =l76080.d 200 =l76084.d 400 =l76085.d 25 =l76081.d
1 =l76077.d 100 =l76083.d = =

Compound

	0.5	2	5	50	10	200	400	25	1	100	Avg	%RSD
1) I 1,4-difluorobenzene	ISTD											
2) 1,2-dichloroethane	0.484	0.511	0.487	0.538	0.533	0.495	0.489	0.436	0.505	0.498		6.07

(#) = Out of Range ### Number of calibration levels exceeded format ###

l130729wx.m Mon Oct 19 11:51:51 2015

Initial Calibration Verification

Job Number: MC22808 **Sample:** MSL3534-ICV3534
Account: SHELLWIC Shell Oil **Lab FileID:** L76088.D
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Evaluate Continuing Calibration Report

Data File : O:\msl\1\data backup\l130726\l76088.d Vial: 16
Acq On : 27 Jul 2013 1:09 am Operator: kerryr
Sample : icv3534-50 Inst : MSL
Misc : ms29503,msl3534,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : O:\msl\1\methods\l130729wx.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 19 11:51:04 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	8.89
2 M	1,2-dichloroethane	0.498	0.496	0.4	104	0.00	8.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
l76082.d l130729wx.m Mon Oct 19 11:51:57 2015

Continuing Calibration Summary

Job Number: MC22808 **Sample:** MSL3537-CC3534
Account: SHELLWIC Shell Oil **Lab FileID:** L76141.D
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Evaluate Continuing Calibration Report

Data File : O:\msl\1\data backup\l130730\l76141.d Vial: 1
Acq On : 30 Jul 2013 8:33 am Operator: kerryr
Sample : cc3534-50 Inst : MSL
Misc : ms29537,msl3537,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : O:\msl\1\methods\l130729wx.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 19 11:51:04 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	8.89
2 M	1,2-dichloroethane	0.498	0.442	11.2	93	0.00	8.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
l76082.d l130729wx.m Tue Oct 20 16:42:32 2015

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76076.d
Acq On : 26 Jul 2013 7:18 pm
Operator : kerryr
Sample : ic3534-0.5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 11:47:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

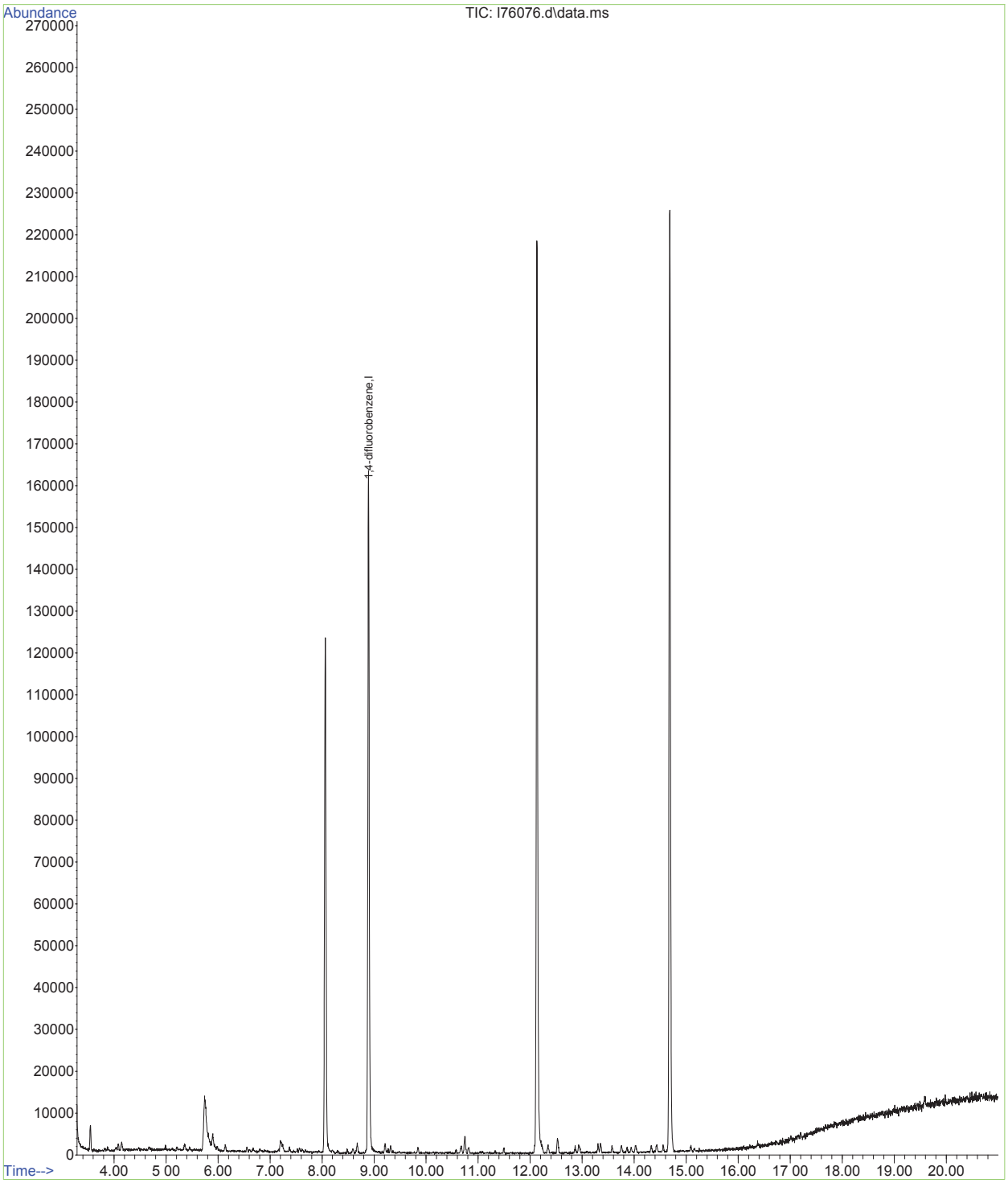
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.898	114	135854	50.00	ug/L	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76076.d
Acq On : 26 Jul 2013 7:18 pm
Operator : kerryr
Sample : ic3534-0.5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 11:47:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76077.d
Acq On : 26 Jul 2013 7:46 pm
Operator : kerryr
Sample : ic3534-1
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

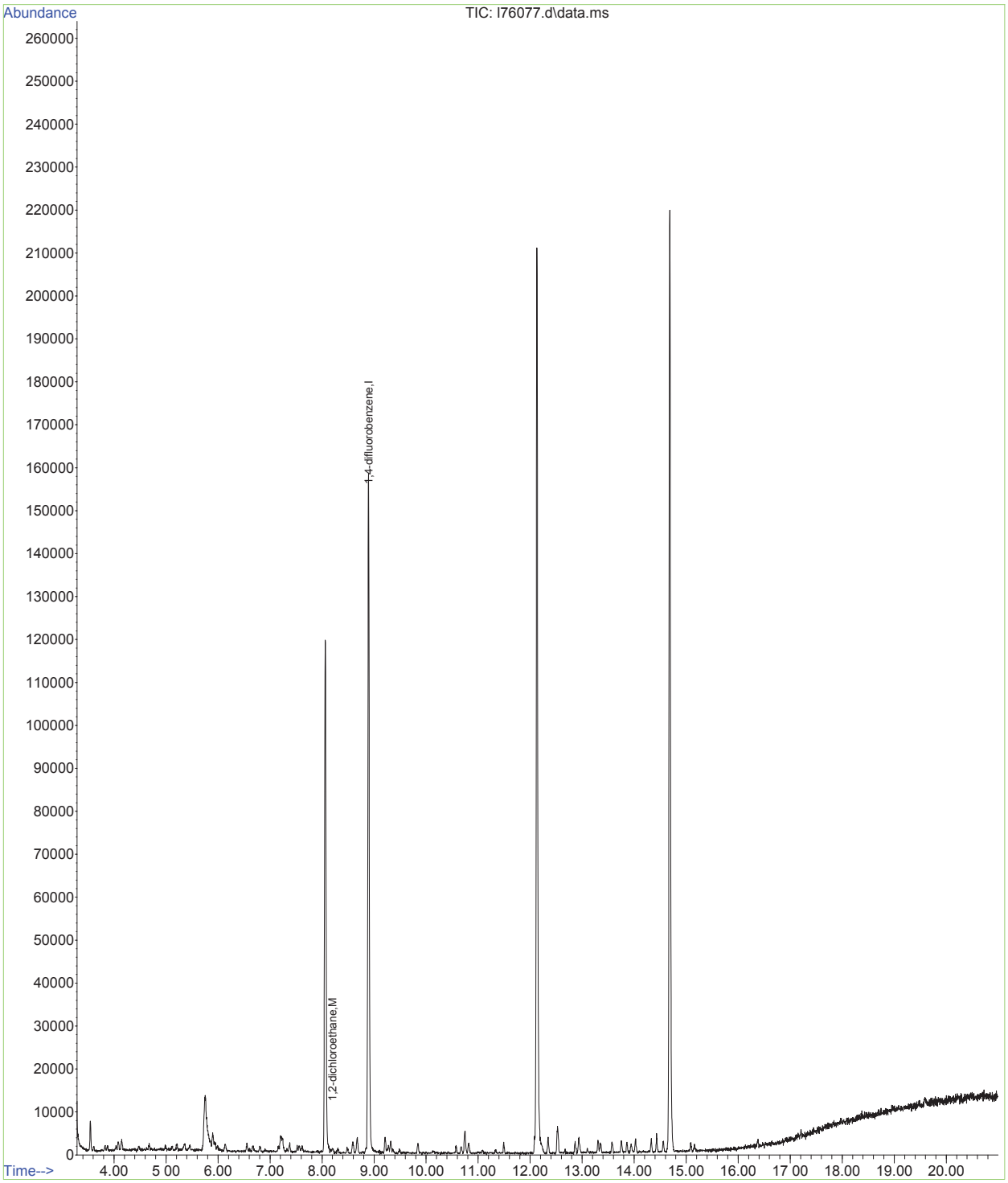
Quant Time: Oct 19 11:45:44 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.898	114	130372	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.202	62	1136	0.89	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76077.d
Acq On : 26 Jul 2013 7:46 pm
Operator : kerryr
Sample : ic3534-1
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 19 11:45:44 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76078.d
Acq On : 26 Jul 2013 8:15 pm
Operator : kerryr
Sample : ic3534-2
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

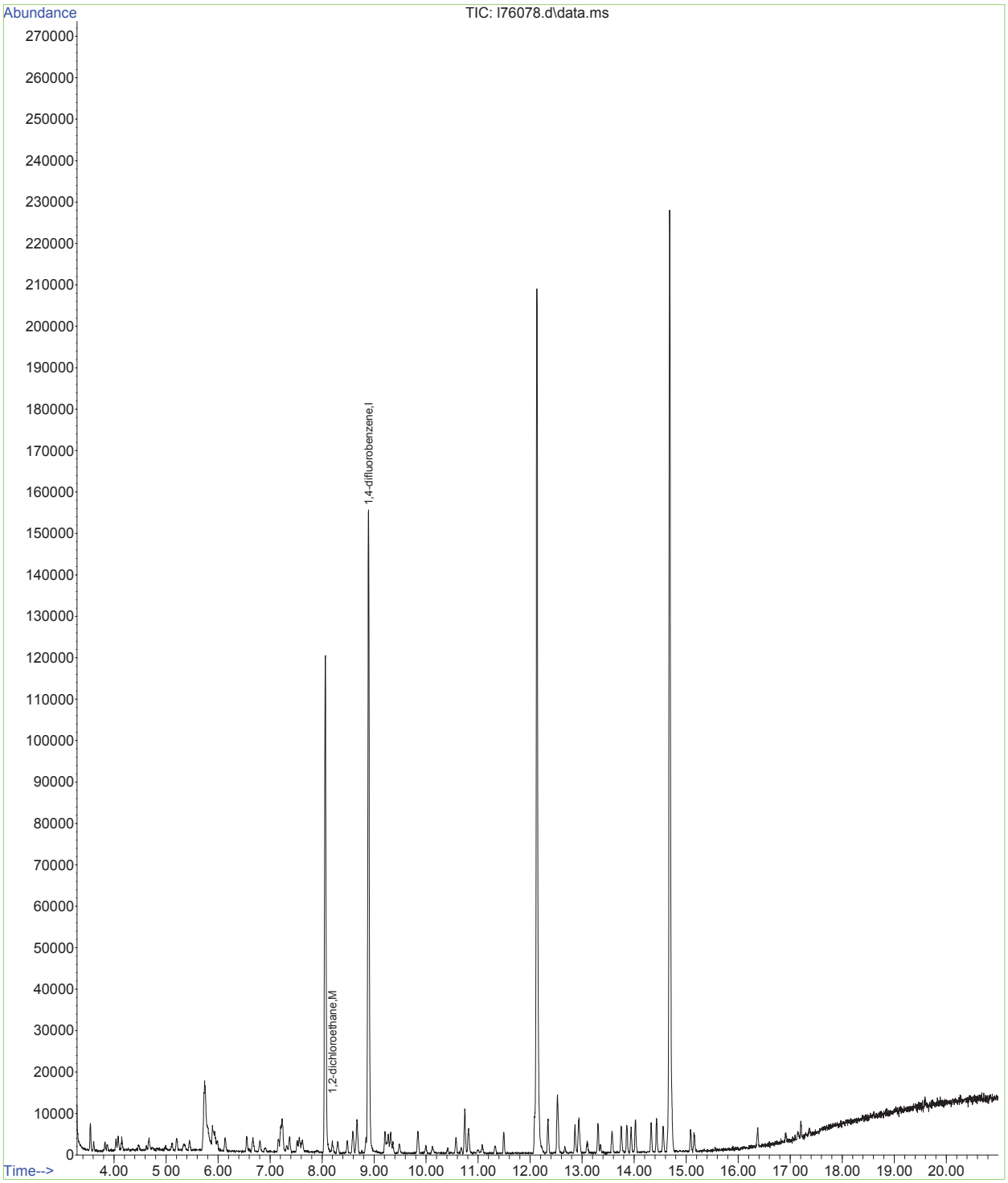
Quant Time: Oct 19 11:45:46 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.896	114	129092	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.202	62	2500	1.99	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76078.d
Acq On : 26 Jul 2013 8:15 pm
Operator : kerryr
Sample : ic3534-2
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 19 11:45:46 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76079.d
Acq On : 26 Jul 2013 8:45 pm
Operator : kerryr
Sample : ic3534-5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

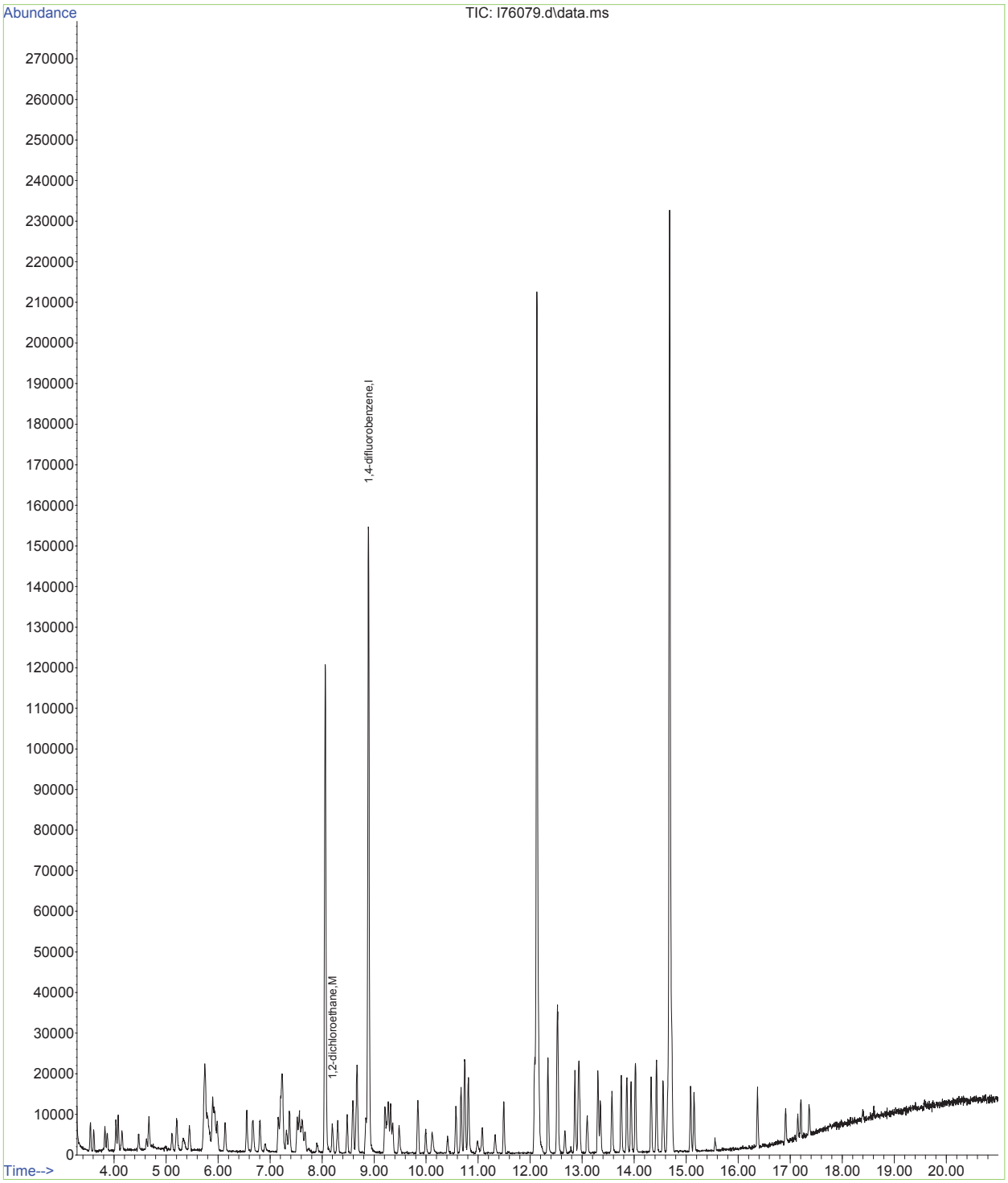
Quant Time: Oct 19 11:45:48 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.895	114	126971	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.201	62	6483	5.24	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76079.d
Acq On : 26 Jul 2013 8:45 pm
Operator : kerryr
Sample : ic3534-5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 11:45:48 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76080.d
Acq On : 26 Jul 2013 9:14 pm
Operator : kerryr
Sample : ic3534-10
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

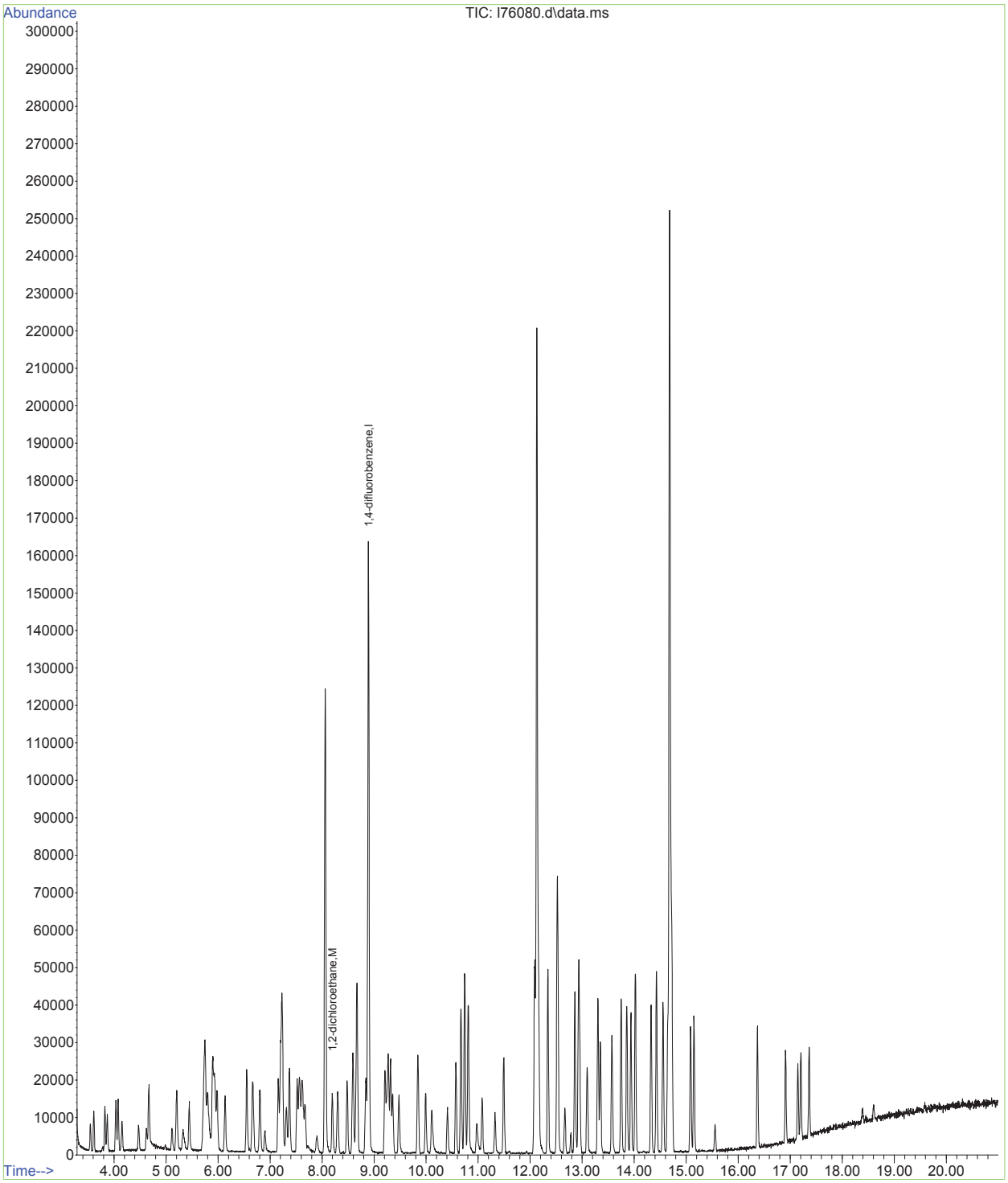
Quant Time: Oct 19 11:45:50 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.894	114	130643	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.200	62	14059	11.03	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76080.d
Acq On : 26 Jul 2013 9:14 pm
Operator : kerryr
Sample : ic3534-10
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 19 11:45:50 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76081.d
Acq On : 26 Jul 2013 9:44 pm
Operator : kerryr
Sample : ic3534-25
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

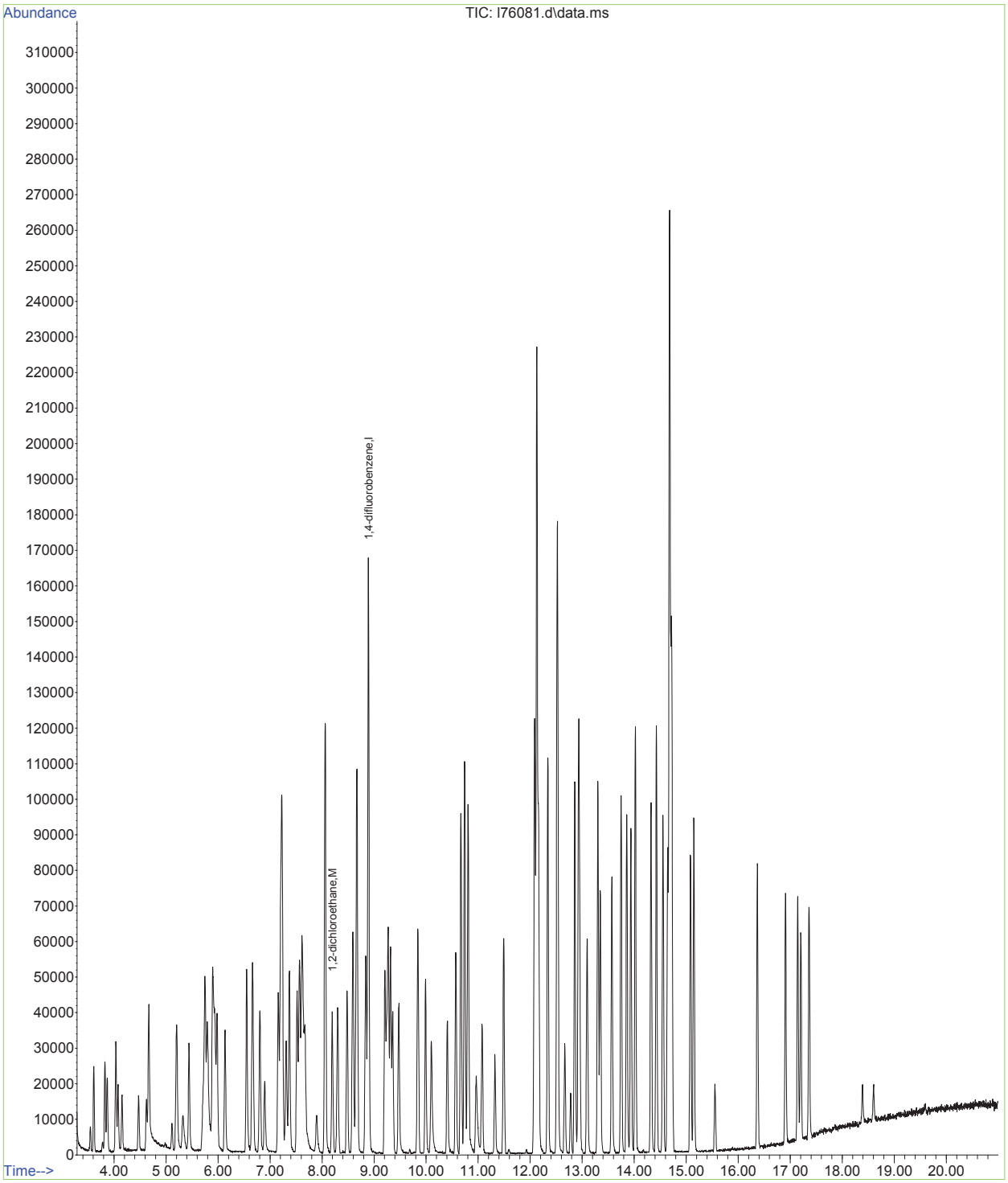
Quant Time: Oct 19 11:45:52 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	131826	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	32253	25.09	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76081.d
Acq On : 26 Jul 2013 9:44 pm
Operator : kerryr
Sample : ic3534-25
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 11:45:52 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76082.d
Acq On : 26 Jul 2013 10:13 pm
Operator : kerryr
Sample : icc3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

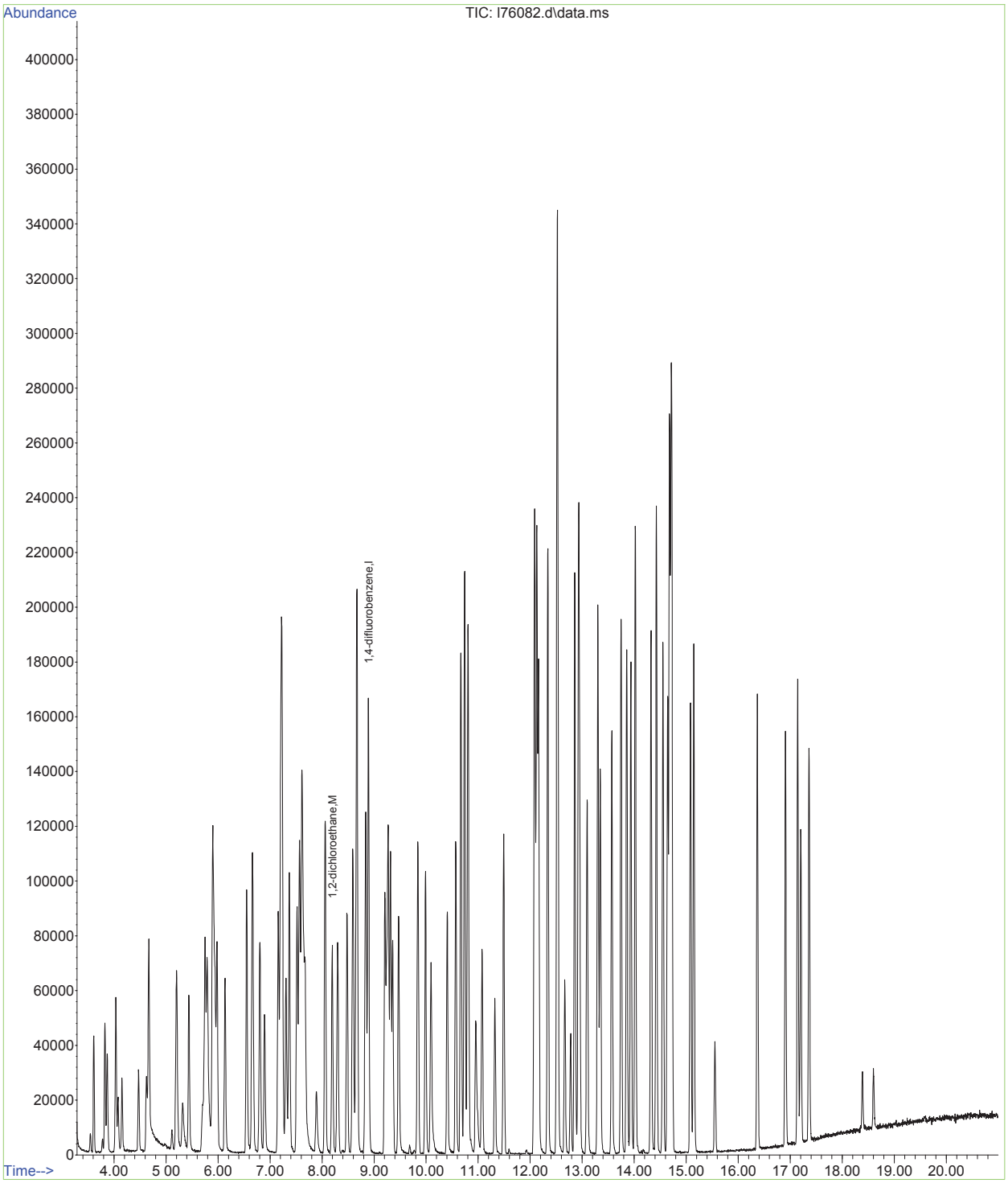
Quant Time: Oct 19 11:45:54 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	129809	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.197	62	63250	49.96	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76082.d
Acq On : 26 Jul 2013 10:13 pm
Operator : kerryr
Sample : icc3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 11:45:54 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76083.d
Acq On : 26 Jul 2013 10:43 pm
Operator : kerryr
Sample : ic3534-100
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

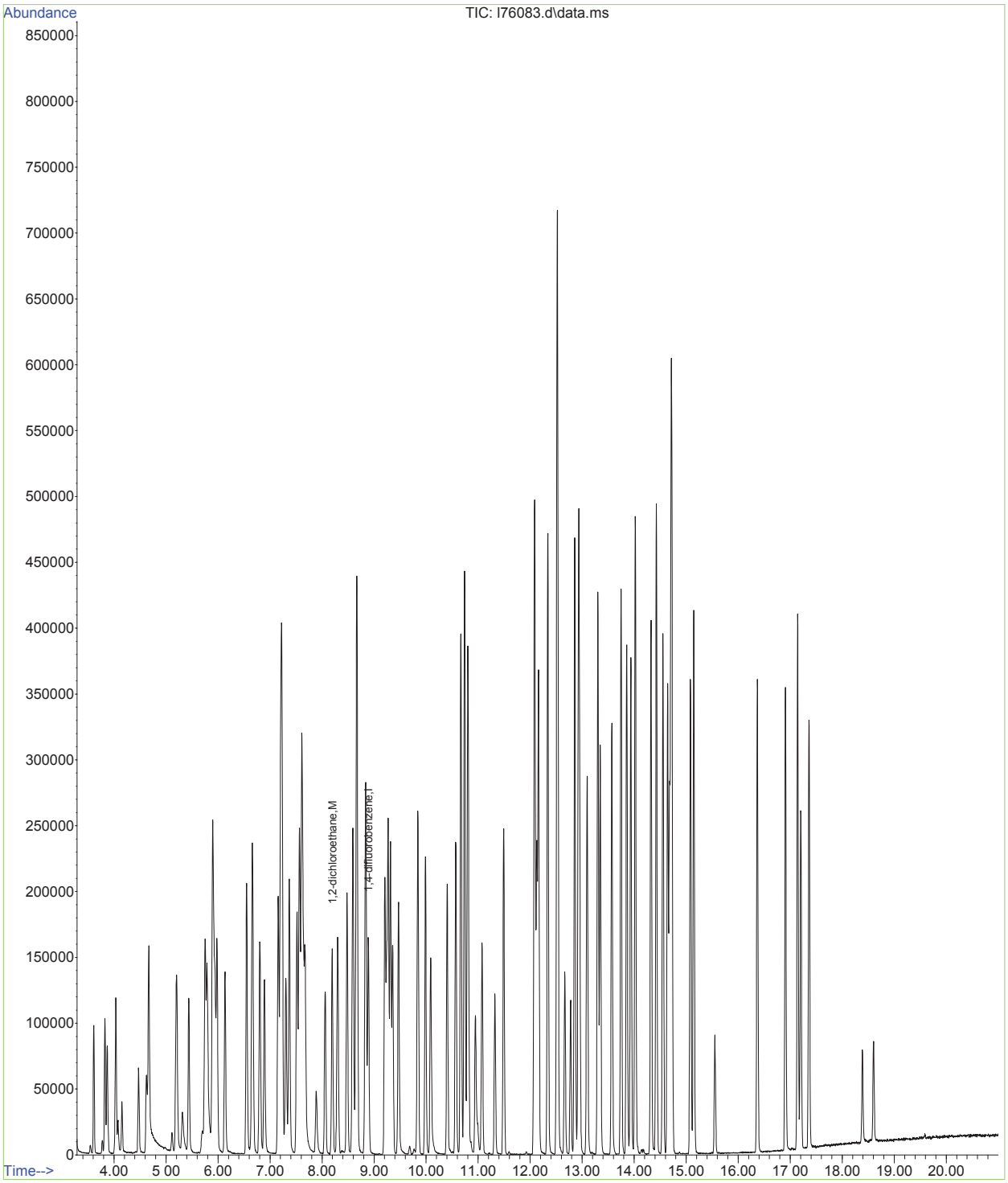
Quant Time: Oct 19 11:45:56 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.891	114	128337	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.196	62	129642	103.58	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76083.d
Acq On : 26 Jul 2013 10:43 pm
Operator : kerryr
Sample : ic3534-100
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 11:45:56 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76084.d
Acq On : 26 Jul 2013 11:12 pm
Operator : kerryr
Sample : ic3534-200
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

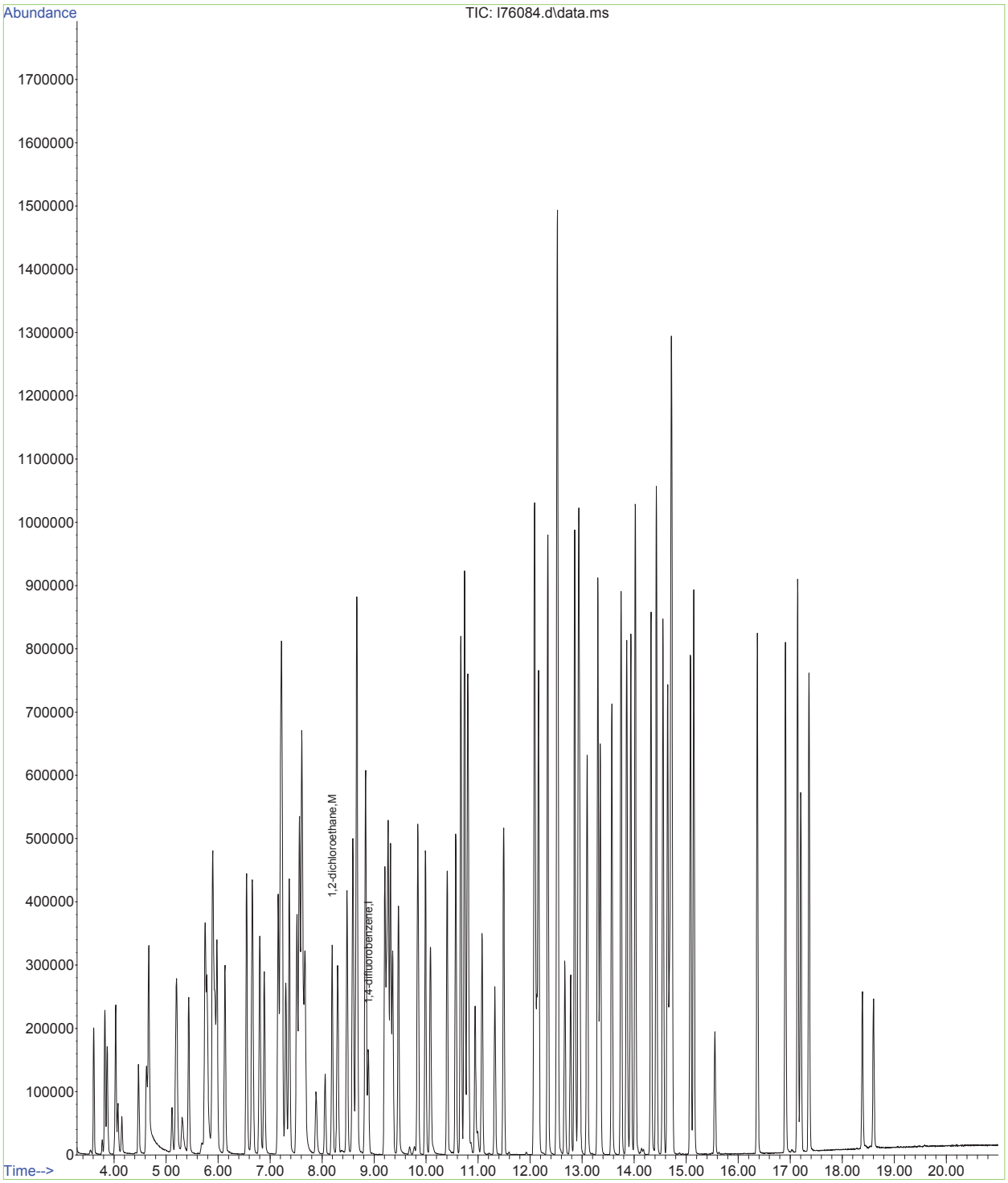
Quant Time: Oct 19 11:45:58 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.891	114	126477	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.196	62	269464	218.45	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76084.d
Acq On : 26 Jul 2013 11:12 pm
Operator : kerryr
Sample : ic3534-200
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 19 11:45:58 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76085.d
Acq On : 26 Jul 2013 11:42 pm
Operator : kerryr
Sample : ic3534-400
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

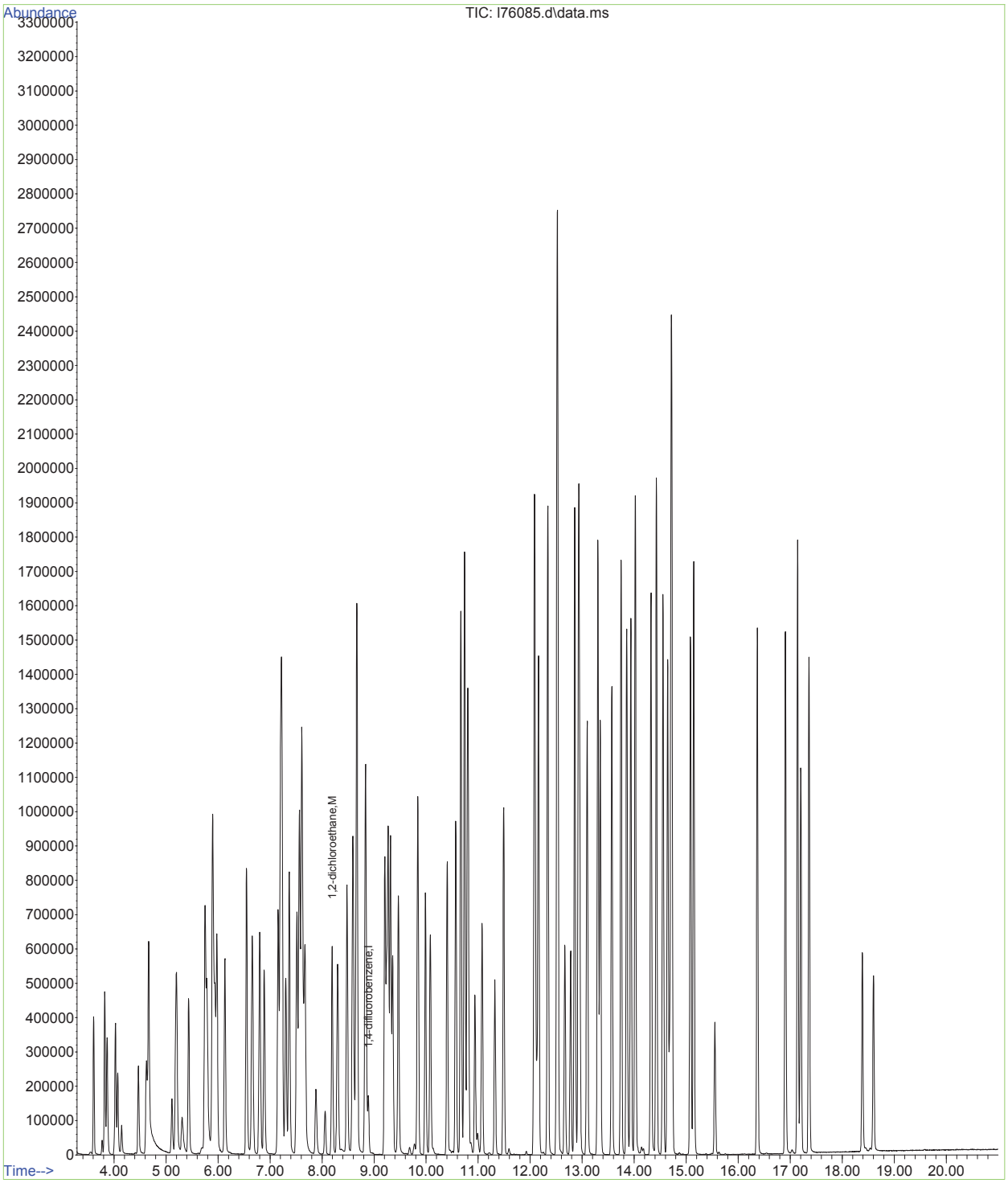
Quant Time: Oct 19 11:46:00 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.891	114	126155	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.195	62	499464	405.94	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76085.d
Acq On : 26 Jul 2013 11:42 pm
Operator : kerryr
Sample : ic3534-400
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 19 11:46:00 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76088.d
Acq On : 27 Jul 2013 1:09 am
Operator : kerryr
Sample : icv3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

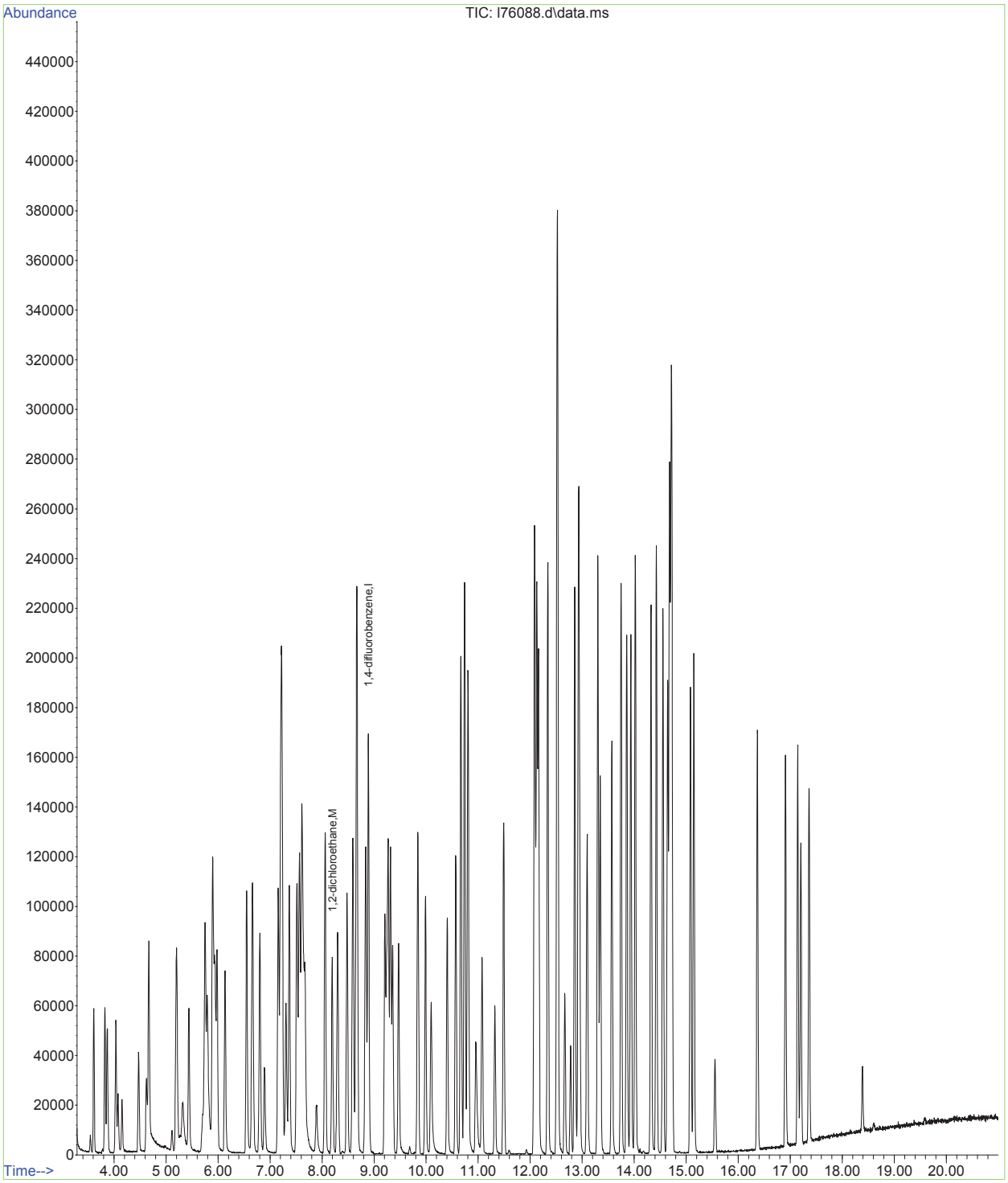
Quant Time: Oct 19 11:51:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	132946	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.196	62	65927	49.84	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76088.d
Acq On : 27 Jul 2013 1:09 am
Operator : kerryr
Sample : icv3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 19 11:51:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76141.d
Acq On : 30 Jul 2013 8:33 am
Operator : kerryr
Sample : cc3534-50
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 16:41:32 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

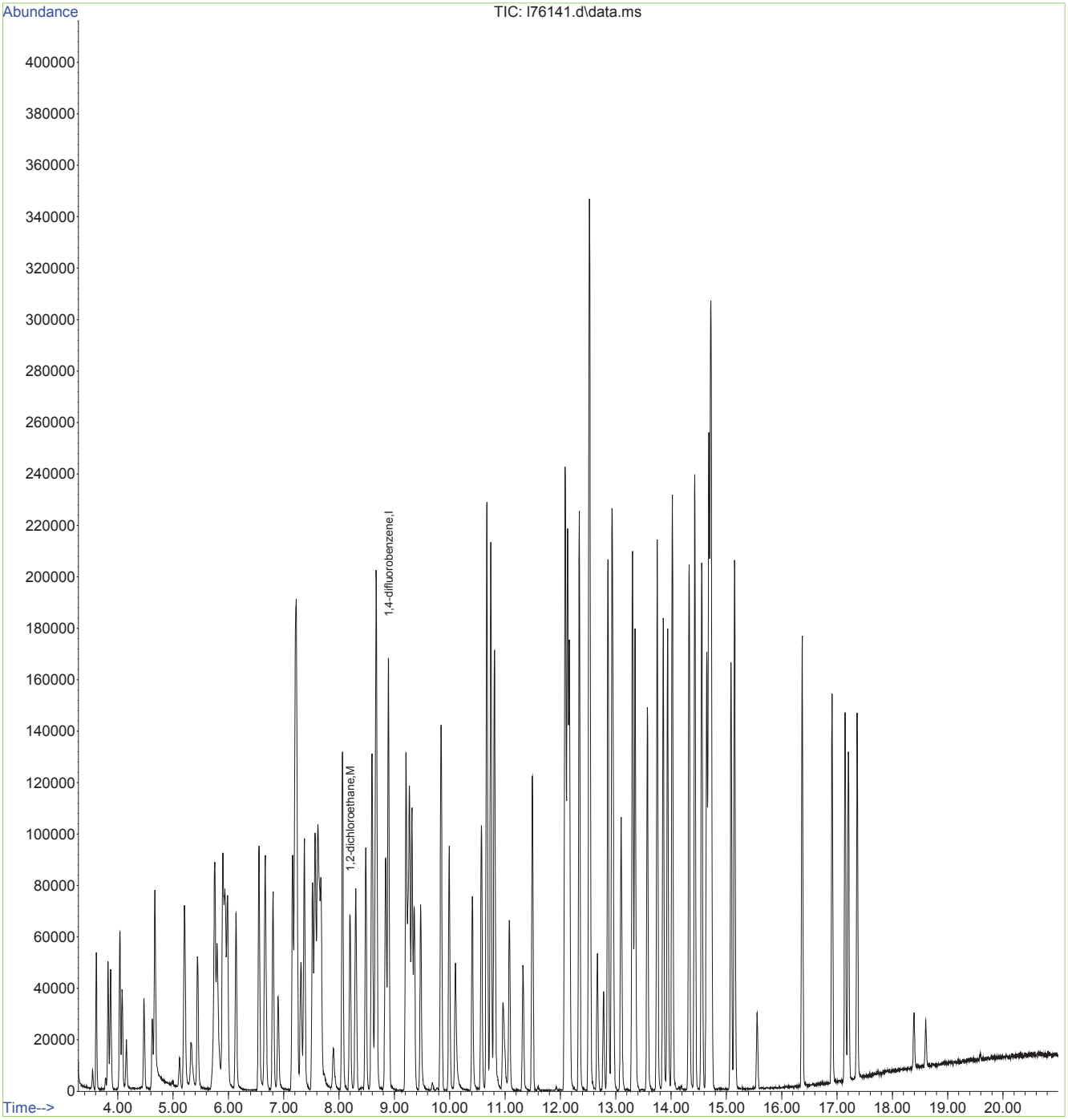
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.895	114	132933	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.200	62	58804	44.46	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76141.d
Acq On : 30 Jul 2013 8:33 am
Operator : kerryr
Sample : cc3534-50
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 16:41:32 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:42:43 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76152.d
Acq On : 30 Jul 2013 1:54 pm
Operator : kerryr
Sample : mc22808-1
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 20 16:41:39 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

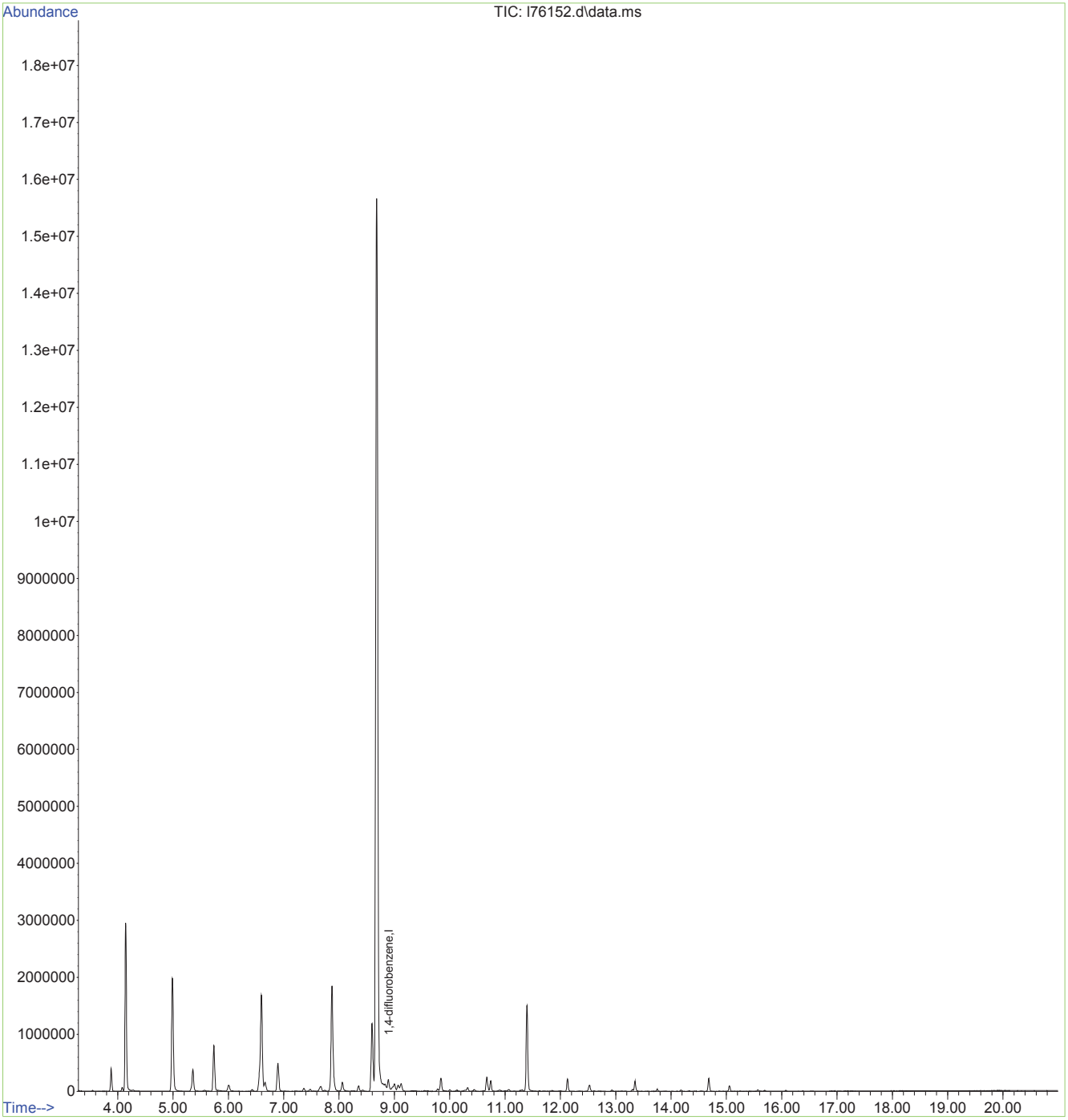
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	128582	50.00	ug/L	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76152.d
Acq On : 30 Jul 2013 1:54 pm
Operator : kerryr
Sample : mc22808-1
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 20 16:41:39 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76153.d
Acq On : 30 Jul 2013 2:23 pm
Operator : kerryr
Sample : mc22808-2
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 20 16:41:41 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

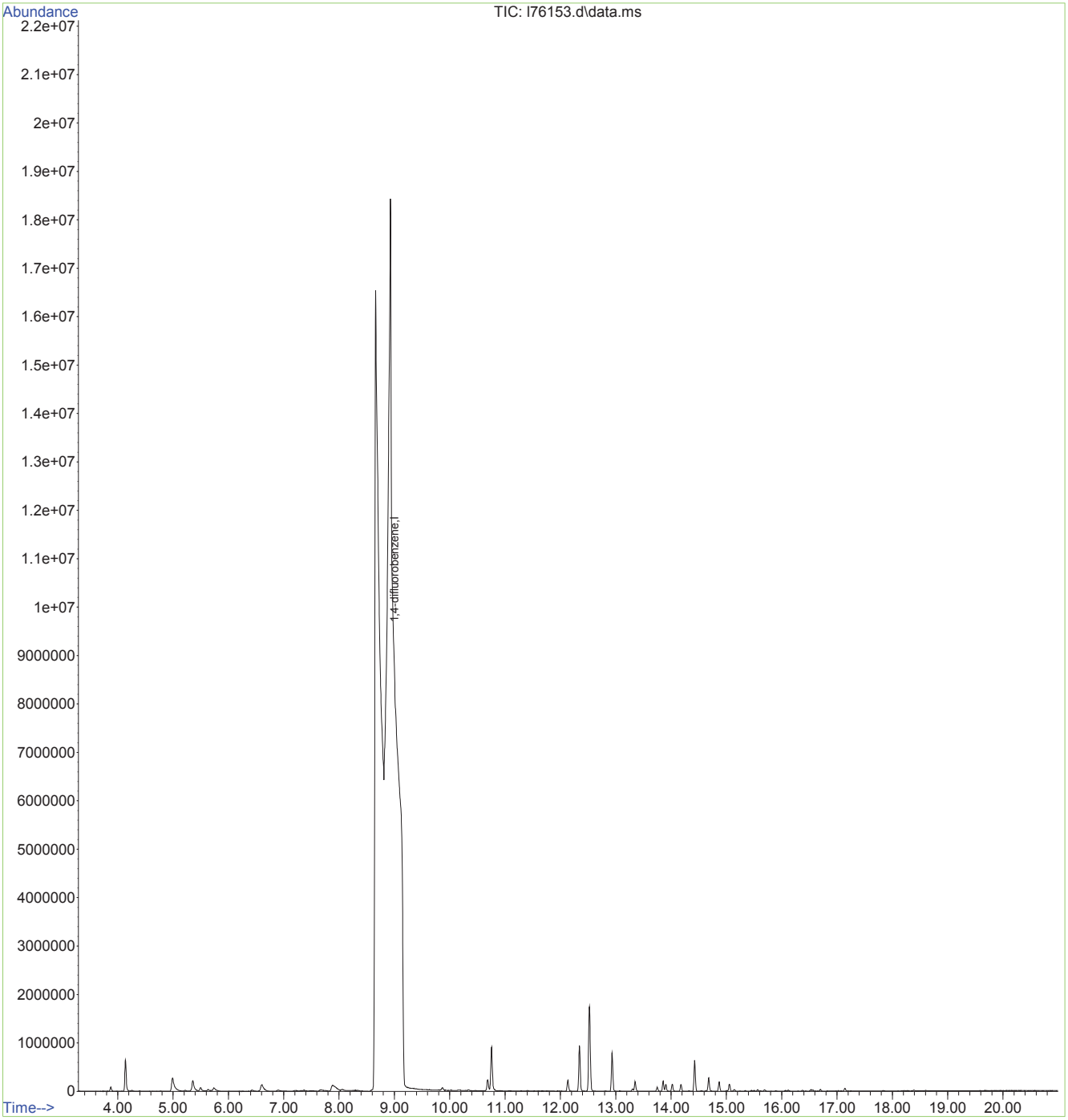
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	9.000	114	92723	50.00	ug/L	0.11
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76153.d
Acq On : 30 Jul 2013 2:23 pm
Operator : kerryr
Sample : mc22808-2
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 20 16:41:41 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76154.d
Acq On : 30 Jul 2013 2:52 pm
Operator : kerryr
Sample : mc22808-3
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 20 16:41:43 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

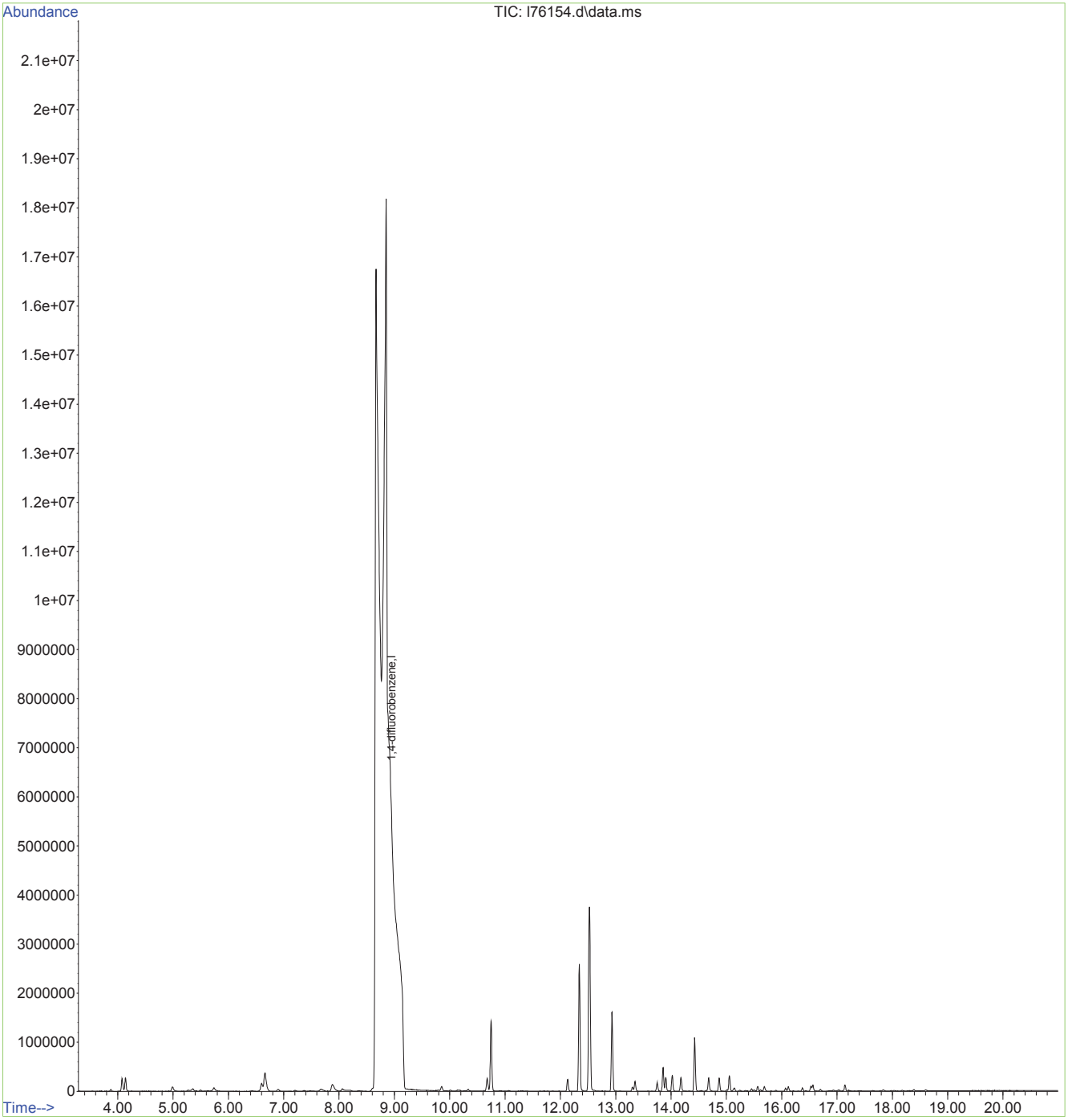
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.944	114	112101	50.00	ug/L	0.05
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76154.d
Acq On : 30 Jul 2013 2:52 pm
Operator : kerryr
Sample : mc22808-3
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 20 16:41:43 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76155.d
Acq On : 30 Jul 2013 3:21 pm
Operator : kerryr
Sample : mc22808-4
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 20 16:41:45 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

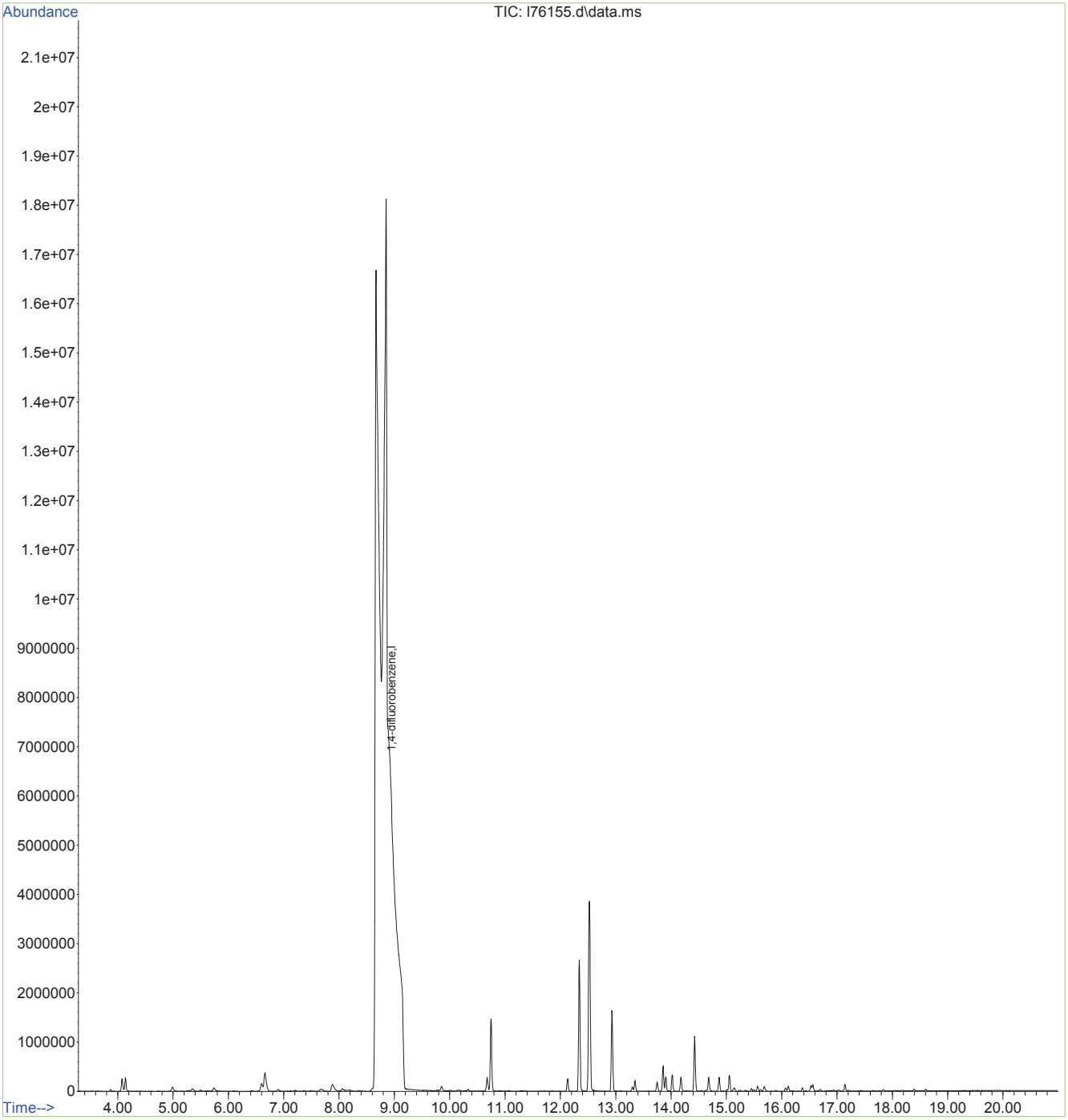
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.944	114	116261	50.00	ug/L	0.05
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76155.d
Acq On : 30 Jul 2013 3:21 pm
Operator : kerryr
Sample : mc22808-4
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 20 16:41:45 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76142.d
Acq On : 30 Jul 2013 9:02 am
Operator : kerryr
Sample : bs
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 16:41:35 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

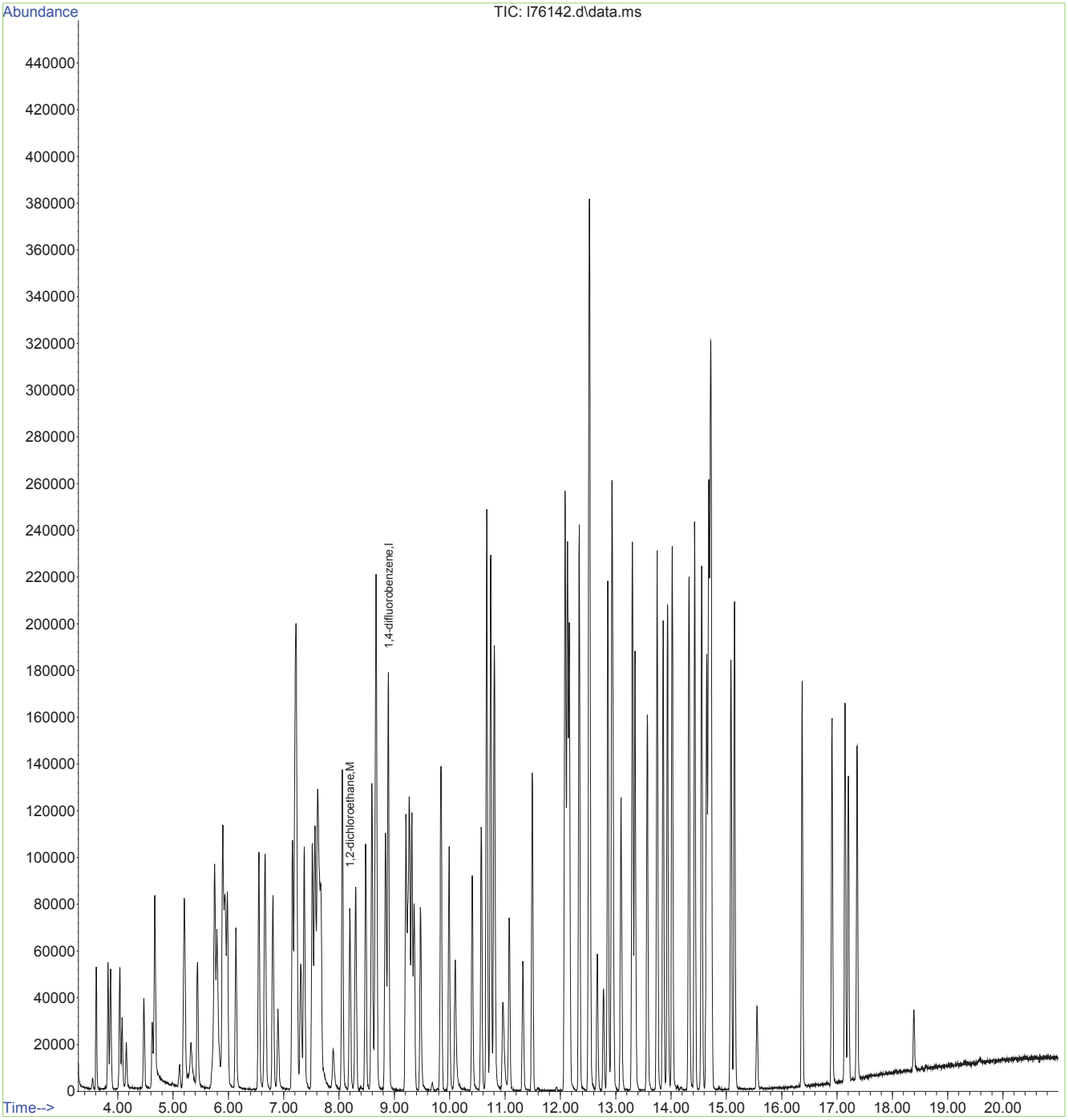
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	140042	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	65009	46.65	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76142.d
Acq On : 30 Jul 2013 9:02 am
Operator : kerryr
Sample : bs
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 16:41:35 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:43:06 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76145.d
Acq On : 30 Jul 2013 10:32 am
Operator : kerryr
Sample : mb
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 20 16:41:37 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

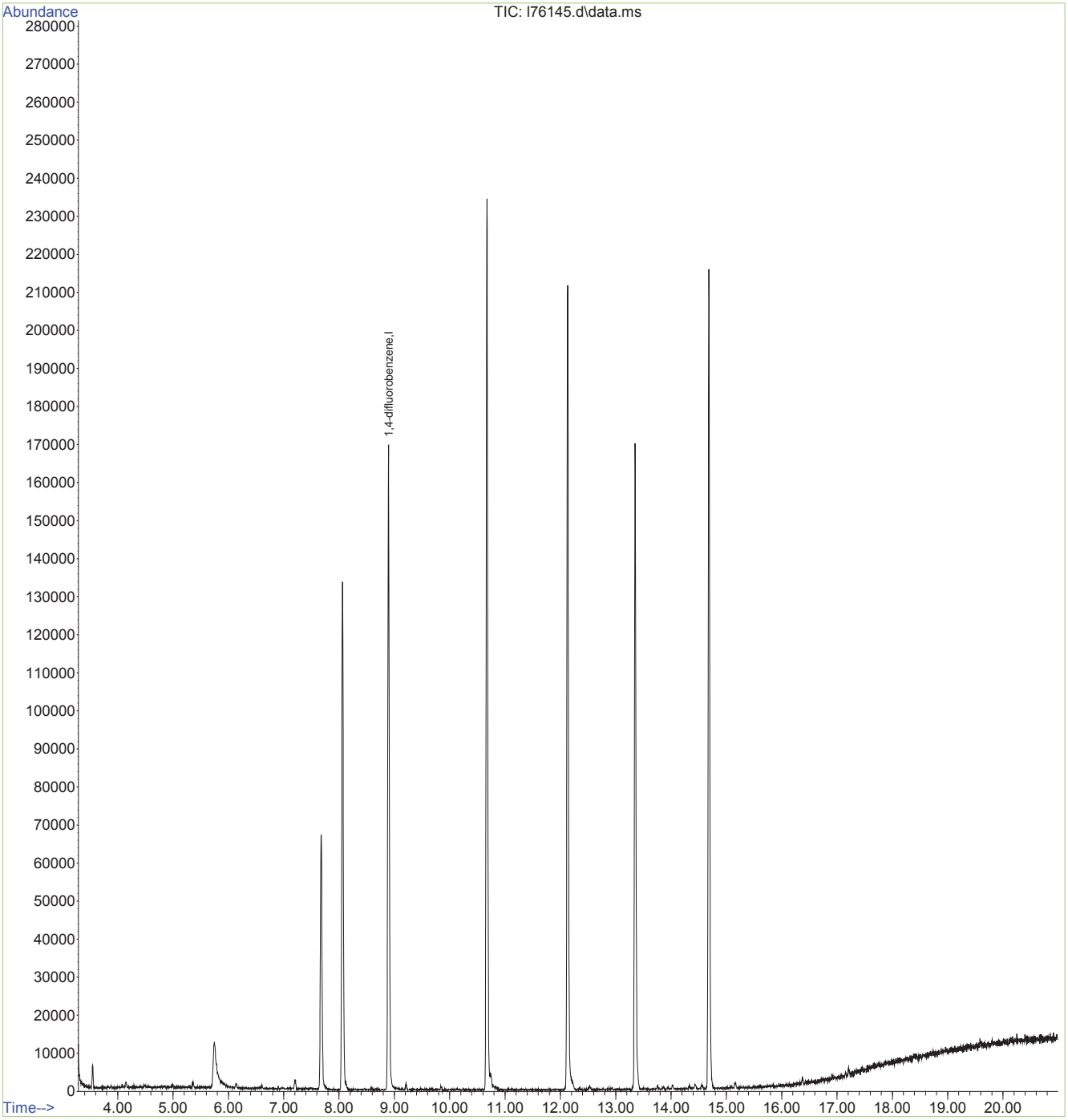
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.897	114	138887	50.00	ug/L	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76145.d
Acq On : 30 Jul 2013 10:32 am
Operator : kerryr
Sample : mb
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 20 16:41:37 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:43:41 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

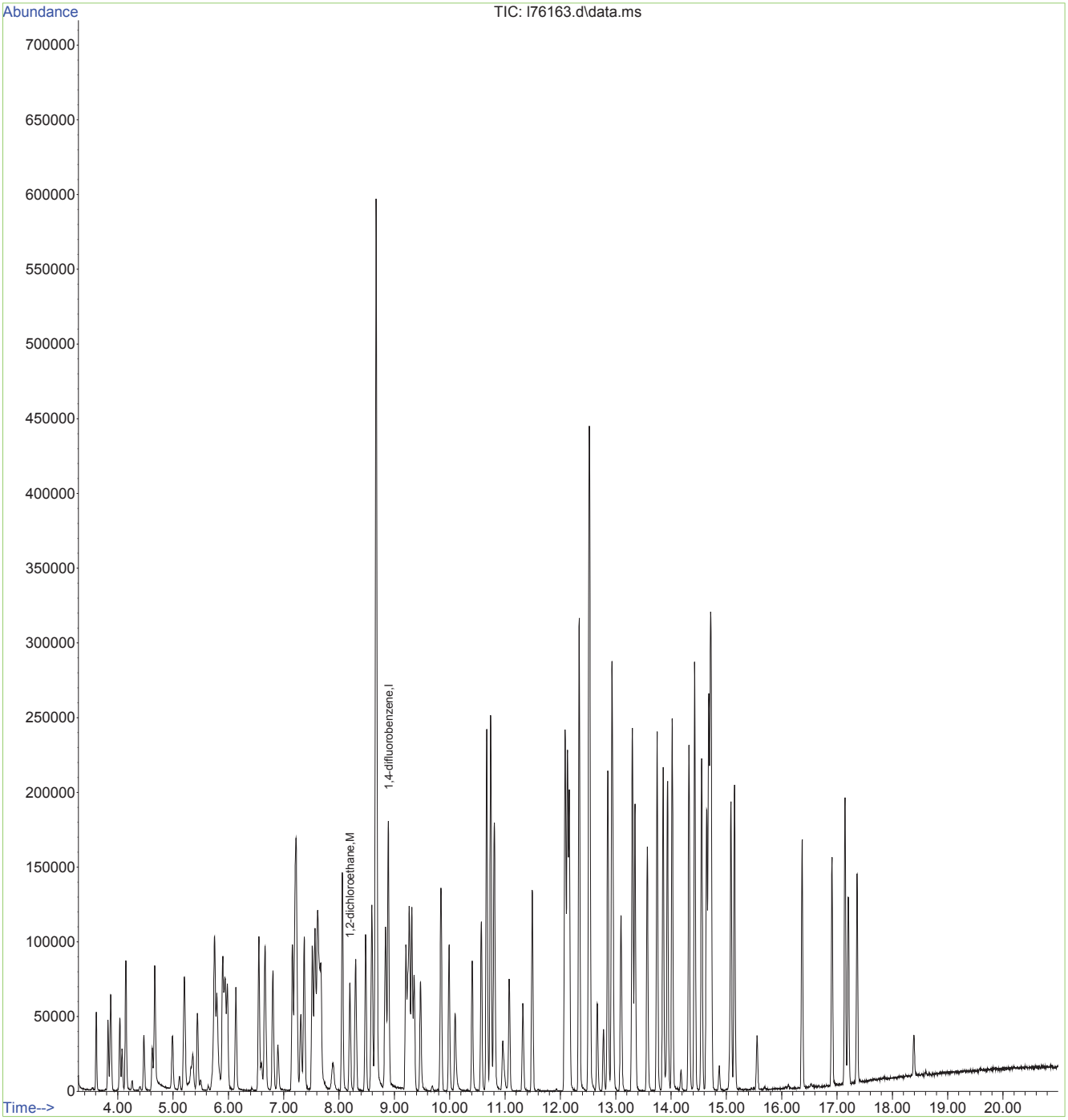
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	146262	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	61358	42.16	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

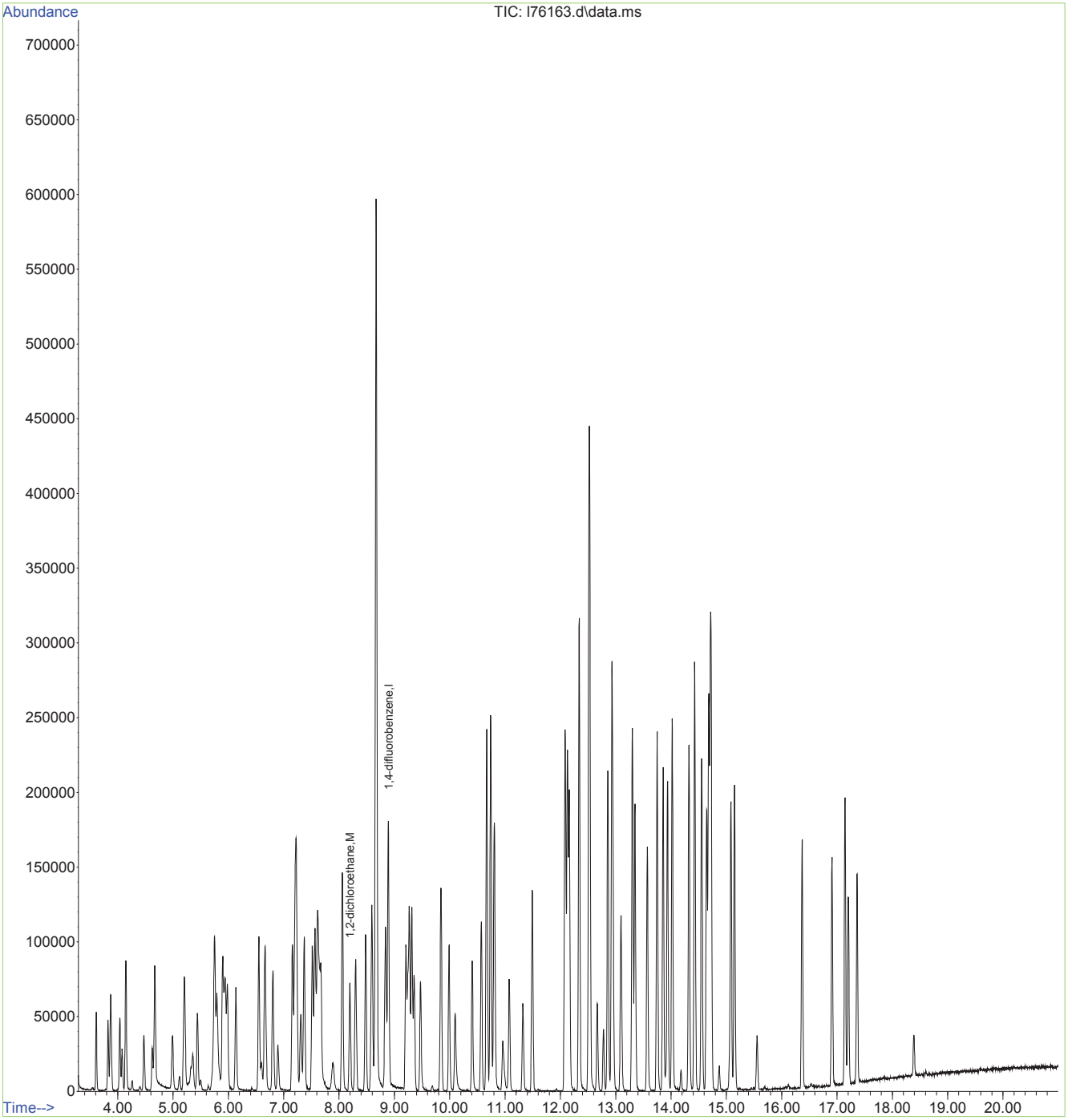
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	146262	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	61358	42.16	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

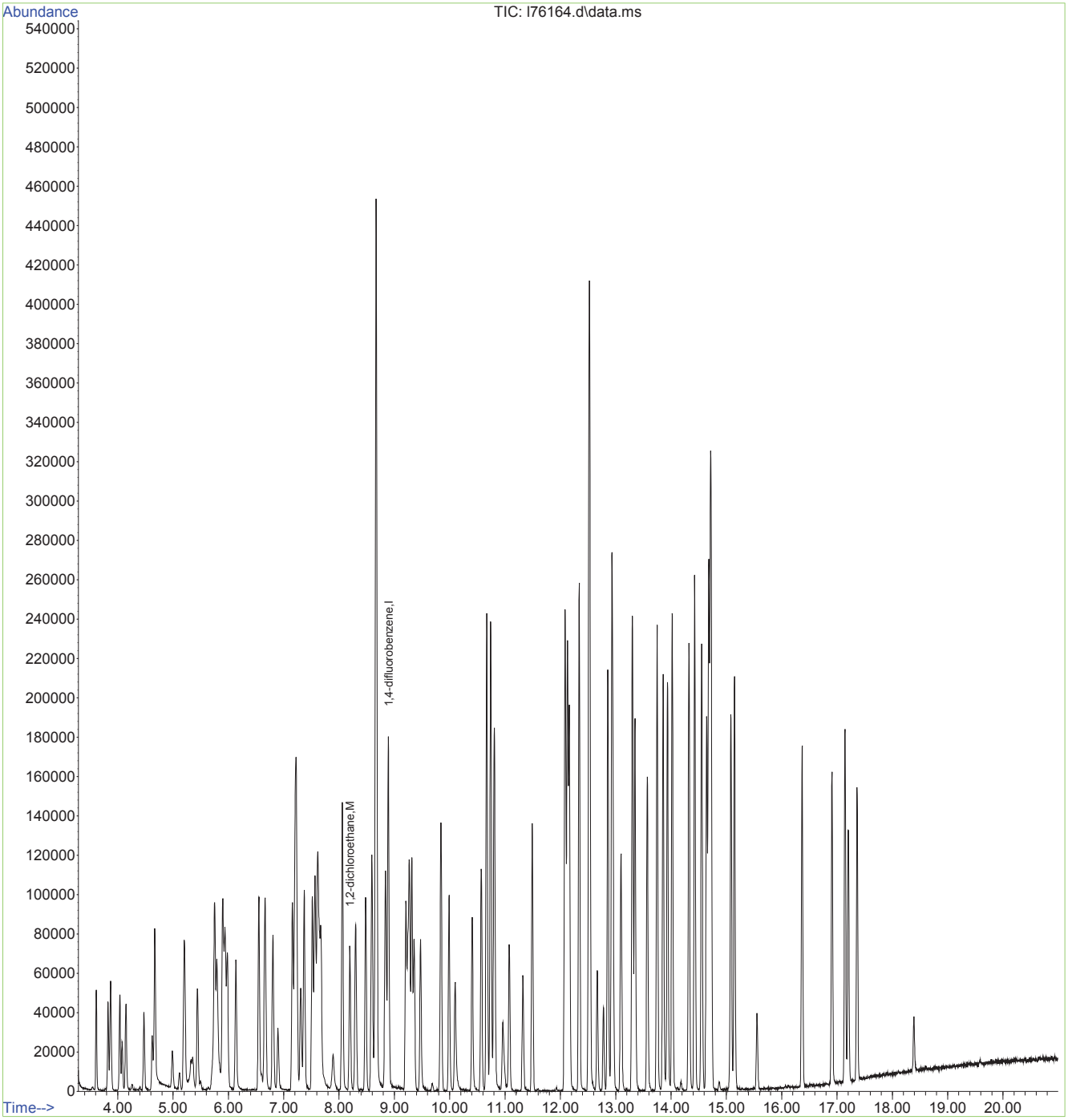
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	144863	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.197	62	61678	42.79	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

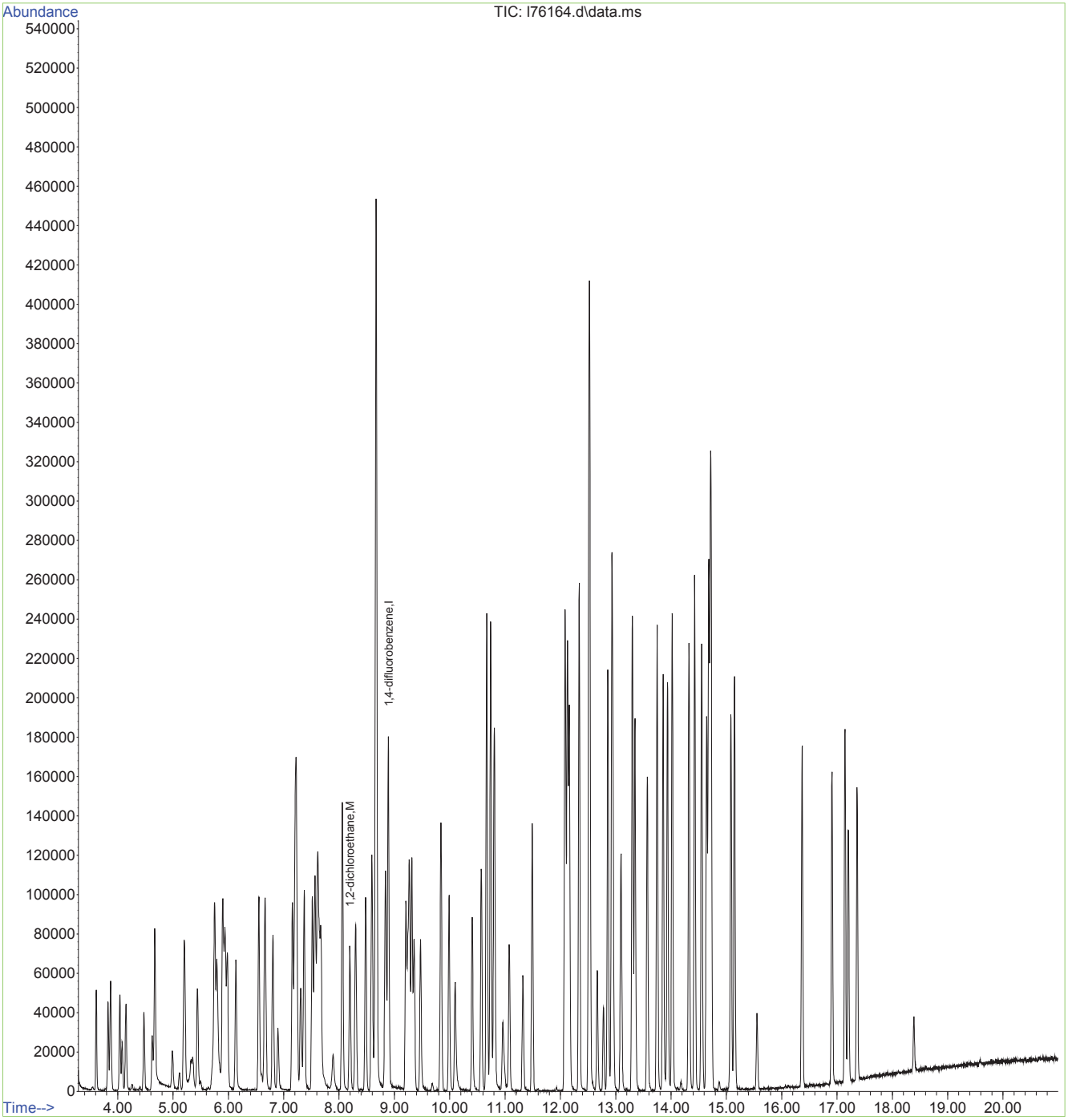
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	144863	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.197	62	61678	42.79	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22808

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22808-1 Collected: 17-JUL-13 09:35 By: LRDM Received: 18-JUL-13 By: MW4-ROX-071713						
MC22808-1	SW846 8270C	25-JUL-13 11:33	WK	23-JUL-13	PA	AB8270SL+
MC22808-1	SW846 8011	25-JUL-13 12:50	NK	23-JUL-13	BJ	V8011SL
MC22808-1	SW846 8270C BY SIM	25-JUL-13 23:06	WK	23-JUL-13	SC	B8270SIMSL
MC22808-1	SW846 8260B	30-JUL-13 13:54	KR			V8260SL+
MC22808-1	SW846 8260B	30-JUL-13 14:37	GK			V8260SL+
MC22808-1	SW846 8260B	31-JUL-13 14:11	GK			V8260SL+
MC22808-2 Collected: 17-JUL-13 10:30 By: LRDM Received: 18-JUL-13 By: MW7-ROX-071713						
MC22808-2	SW846 8270C	25-JUL-13 11:57	WK	23-JUL-13	PA	AB8270SL+
MC22808-2	SW846 8011	25-JUL-13 13:14	NK	23-JUL-13	BJ	V8011SL
MC22808-2	SW846 8270C BY SIM	25-JUL-13 23:29	WK	23-JUL-13	SC	B8270SIMSL
MC22808-2	SW846 8260B	30-JUL-13 14:23	KR			V8260SL+
MC22808-2	SW846 8260B	30-JUL-13 15:05	GK			V8260SL+
MC22808-2	SW846 8260B	01-AUG-13 13:15	GK			V8260SL+
MC22808-3 Collected: 17-JUL-13 11:30 By: LRDM Received: 18-JUL-13 By: MW8-ROX-071713						
MC22808-3	SW846 8270C	25-JUL-13 12:21	WK	23-JUL-13	PA	AB8270SL+
MC22808-3	SW846 8011	25-JUL-13 13:38	NK	23-JUL-13	BJ	V8011SL
MC22808-3	SW846 8270C BY SIM	25-JUL-13 23:53	WK	23-JUL-13	SC	B8270SIMSL
MC22808-3	SW846 8260B	30-JUL-13 14:52	KR			V8260SL+
MC22808-3	SW846 8260B	30-JUL-13 15:32	GK			V8260SL+
MC22808-3	SW846 8270C	31-JUL-13 11:41	KR	23-JUL-13	PA	AB8270SL+
MC22808-3	SW846 8260B	31-JUL-13 15:05	GK			V8260SL+
MC22808-4 Collected: 17-JUL-13 11:30 By: LRDM Received: 18-JUL-13 By: MW8-ROX-071713-DUP						
MC22808-4	SW846 8270C	25-JUL-13 12:45	WK	23-JUL-13	PA	AB8270SL+
MC22808-4	SW846 8011	25-JUL-13 14:26	NK	23-JUL-13	BJ	V8011SL
MC22808-4	SW846 8270C BY SIM	26-JUL-13 00:15	WK	23-JUL-13	SC	B8270SIMSL
MC22808-4	SW846 8260B	30-JUL-13 15:21	KR			V8260SL+
MC22808-4	SW846 8260B	30-JUL-13 15:59	GK			V8260SL+
MC22808-4	SW846 8270C	31-JUL-13 12:05	KR	23-JUL-13	PA	AB8270SL+

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22808

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22808-4	SW846 8260B	31-JUL-13 14:38	GK			V8260SL+
MC22808-5	Collected: 17-JUL-13 00:00 By: LRDM		Received: 18-JUL-13 By:			
TB-ROX-071713-HCL						
MC22808-5	SW846 8260B	30-JUL-13 15:50	KR			V8260SL+
MC22808-5	SW846 8260B	30-JUL-13 16:26	GK			V8260SL+
MC22808-6	Collected: 17-JUL-13 00:00 By: LRDM		Received: 18-JUL-13 By:			
TB-ROX-071713-ST						
MC22808-6	SW846 8011	25-JUL-13 14:51	NK	23-JUL-13	BJ	V8011SL

SGS Accutest Internal Chain of Custody

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/18/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22808-1.1	Walk In Ref #22	Thomas Abruzzise	07/23/13 14:59	Retrieve from Storage
MC22808-1.1	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22808-1.3	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22808-1.3	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22808-1.3	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22808-1.3	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22808-1.3	Scott Parsick		10/04/13 13:49	Disposed
MC22808-1.4	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22808-1.4	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22808-1.4	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22808-1.4	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22808-1.4	VOC Ref #1	Gary Krasinski	07/31/13 11:41	Retrieve from Storage
MC22808-1.4	Gary Krasinski	GCMSK	07/31/13 11:41	Load on Instrument
MC22808-1.4	GCMSK	Kerry Ryan	08/01/13 09:39	Unload from Instrument
MC22808-1.4	Kerry Ryan	VOC Ref #1	08/01/13 09:39	Return to Storage
MC22808-1.4	Scott Parsick		10/04/13 13:49	Disposed
MC22808-1.5	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22808-1.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22808-2.2	Walk In Ref #22	Thomas Abruzzise	07/23/13 14:59	Retrieve from Storage
MC22808-2.2	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22808-2.3	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22808-2.3	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22808-2.3	GCMSL	Kerry Ryan	08/01/13 08:44	Unload from Instrument
MC22808-2.3	Kerry Ryan	VOC Ref #1	08/01/13 08:44	Return to Storage
MC22808-2.3	Scott Parsick		10/04/13 13:49	Disposed
MC22808-2.4	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22808-2.4	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22808-2.4	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22808-2.4	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22808-2.4	VOC Ref #1	Gary Krasinski	07/31/13 11:41	Retrieve from Storage
MC22808-2.4	Gary Krasinski	GCMSK	07/31/13 11:41	Load on Instrument
MC22808-2.4	GCMSK	Kerry Ryan	08/01/13 09:39	Unload from Instrument
MC22808-2.4	Kerry Ryan	VOC Ref #1	08/01/13 09:39	Return to Storage
MC22808-2.4	VOC Ref #1	Kerry Ryan	08/01/13 11:24	Retrieve from Storage
MC22808-2.4	Kerry Ryan	GCMSK	08/01/13 11:24	Load on Instrument
MC22808-2.4	GCMSK	Kerry Ryan	08/02/13 10:28	Unload from Instrument
MC22808-2.4	Kerry Ryan	VOC Ref #1	08/02/13 10:28	Return to Storage
MC22808-2.4	Scott Parsick		10/04/13 13:49	Disposed

SGS Accutest Internal Chain of Custody

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/18/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22808-2.5	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22808-2.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22808-3.2	Walk In Ref #22	Thomas Abruzzise	07/23/13 14:59	Retrieve from Storage
MC22808-3.2	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22808-3.3	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22808-3.3	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22808-3.3	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22808-3.3	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22808-3.3	VOC Ref #1	Gary Krasinski	07/31/13 11:41	Retrieve from Storage
MC22808-3.3	Gary Krasinski	GCMSK	07/31/13 11:41	Load on Instrument
MC22808-3.3	GCMSK	Kerry Ryan	08/01/13 09:39	Unload from Instrument
MC22808-3.3	Kerry Ryan	VOC Ref #1	08/01/13 09:39	Return to Storage
MC22808-3.3	Scott Parsick		10/04/13 13:49	Disposed
MC22808-3.4	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22808-3.4	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22808-3.4	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22808-3.4	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22808-3.4	Scott Parsick		10/04/13 13:49	Disposed
MC22808-3.6	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22808-3.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22808-4.1	Walk In Ref #22	Thomas Abruzzise	07/23/13 14:59	Retrieve from Storage
MC22808-4.1	Thomas Abruzzise		07/30/13 14:35	Depleted
MC22808-4.3	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22808-4.3	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22808-4.3	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22808-4.3	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22808-4.3	VOC Ref #1	Gary Krasinski	07/31/13 11:41	Retrieve from Storage
MC22808-4.3	Gary Krasinski	GCMSK	07/31/13 11:41	Load on Instrument
MC22808-4.3	GCMSK	Kerry Ryan	08/01/13 09:39	Unload from Instrument
MC22808-4.3	Kerry Ryan	VOC Ref #1	08/01/13 09:39	Return to Storage
MC22808-4.3	Scott Parsick		10/04/13 13:49	Disposed
MC22808-4.4	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22808-4.4	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22808-4.4	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22808-4.4	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22808-4.4	Scott Parsick		10/04/13 13:49	Disposed

SGS Accutest Internal Chain of Custody

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/18/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22808-4.5	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22808-4.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22808-5.1	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22808-5.1	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22808-5.1	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22808-5.1	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22808-5.1	Scott Parsick		10/04/13 13:49	Disposed
MC22808-5.2	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22808-5.2	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22808-5.2	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22808-5.2	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22808-5.2	Scott Parsick		10/04/13 13:49	Disposed
MC22808-6.2	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22808-6.2	Bijan Jafari		07/23/13 18:13	Depleted

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-MB	L76145.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-MB	L76145.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-MB	L76145.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	90%	70-130%
460-00-4	4-Bromofluorobenzene	108%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-MB	K72596.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-MB	K72596.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-MB	K72596.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2366-MB	K72651.D	1	07/31/13	GK	n/a	n/a	MSK2366

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-3, MC22808-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.45	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	111%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	92%	70-130%

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2368-MB	K72703.D	1	08/01/13	GK	n/a	n/a	MSK2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.45	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-BS	L76142.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	42.2	84	70-130
107-02-8	Acrolein	250	321	128	70-130
107-13-1	Acrylonitrile	50	44.2	88	70-130
108-86-1	Bromobenzene	50	50.4	101	70-130
74-97-5	Bromochloromethane	50	44.4	89	70-130
75-27-4	Bromodichloromethane	50	47.1	94	70-130
75-25-2	Bromoform	50	43.4	87	70-130
74-83-9	Bromomethane	50	49.0	98	70-130
78-93-3	2-Butanone (MEK)	50	37.1	74	70-130
104-51-8	n-Butylbenzene	50	55.7	111	70-130
135-98-8	sec-Butylbenzene	50	58.0	116	70-130
98-06-6	tert-Butylbenzene	50	55.9	112	70-130
75-15-0	Carbon disulfide	50	42.1	84	70-130
56-23-5	Carbon tetrachloride	50	48.4	97	70-130
108-90-7	Chlorobenzene	50	52.8	106	70-130
75-00-3	Chloroethane	50	43.8	88	70-130
67-66-3	Chloroform	50	44.6	89	70-130
74-87-3	Chloromethane	50	42.5	85	70-130
95-49-8	o-Chlorotoluene	50	51.3	103	70-130
106-43-4	p-Chlorotoluene	50	54.7	109	70-130
124-48-1	Dibromochloromethane	50	50.4	101	70-130
95-50-1	1,2-Dichlorobenzene	50	54.5	109	70-130
541-73-1	1,3-Dichlorobenzene	50	52.7	105	70-130
106-46-7	1,4-Dichlorobenzene	50	48.6	97	70-130
75-71-8	Dichlorodifluoromethane	50	46.3	93	70-130
75-34-3	1,1-Dichloroethane	50	46.4	93	70-130
107-06-2	1,2-Dichloroethane	50	46.7	93	70-130
75-35-4	1,1-Dichloroethene	50	48.1	96	70-130
156-59-2	cis-1,2-Dichloroethene	50	44.2	88	70-130
156-60-5	trans-1,2-Dichloroethene	50	44.2	88	70-130
78-87-5	1,2-Dichloropropane	50	44.7	89	70-130
142-28-9	1,3-Dichloropropane	50	50.2	100	70-130
594-20-7	2,2-Dichloropropane	50	50.9	102	70-130
563-58-6	1,1-Dichloropropene	50	49.9	100	70-130
10061-01-5	cis-1,3-Dichloropropene	50	39.7	79	70-130
10061-02-6	trans-1,3-Dichloropropene	50	43.4	87	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-BS	L76142.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	250	179	72	70-130
97-63-2	Ethyl methacrylate	50	44.0	88	77-137
100-41-4	Ethylbenzene	50	50.0	100	70-130
87-68-3	Hexachlorobutadiene	50	52.5	105	70-130
591-78-6	2-Hexanone	50	45.6	91	70-130
98-82-8	Isopropylbenzene	50	54.4	109	70-130
99-87-6	p-Isopropyltoluene	50	54.8	110	70-130
1634-04-4	Methyl Tert Butyl Ether	50	37.6	75	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	39.8	80	70-130
74-95-3	Methylene bromide	50	46.3	93	70-130
75-09-2	Methylene chloride	50	45.5	91	70-130
91-20-3	Naphthalene	50	43.3	87	70-130
103-65-1	n-Propylbenzene	50	53.9	108	70-130
100-42-5	Styrene	50	50.9	102	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	50.9	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-130
127-18-4	Tetrachloroethene	50	56.4	113	70-130
108-88-3	Toluene	50	42.5	85	70-130
87-61-6	1,2,3-Trichlorobenzene	50	45.6	91	70-130
120-82-1	1,2,4-Trichlorobenzene	50	47.2	94	70-130
71-55-6	1,1,1-Trichloroethane	50	52.5	105	70-130
79-00-5	1,1,2-Trichloroethane	50	45.7	91	70-130
79-01-6	Trichloroethene	50	42.3	85	70-130
75-69-4	Trichlorofluoromethane	50	46.7	93	70-130
96-18-4	1,2,3-Trichloropropane	50	49.8	100	70-130
95-63-6	1,2,4-Trimethylbenzene	50	48.4	97	70-130
108-67-8	1,3,5-Trimethylbenzene	50	47.8	96	70-130
108-05-4	Vinyl Acetate	50	28.4	57* [a]	70-130
75-01-4	Vinyl chloride	50	36.5	73	70-130
	m,p-Xylene	100	103	103	70-130
95-47-6	o-Xylene	50	54.7	109	70-130
1330-20-7	Xylene (total)	150	157	105	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-BS	L76142.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	90%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-BS	K72593.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	64.7	129	70-130
107-13-1	Acrylonitrile	50	49.8	100	70-130
71-43-2	Benzene	50	52.2	104	70-130
108-86-1	Bromobenzene	50	49.4	99	70-130
74-97-5	Bromochloromethane	50	53.3	107	70-130
75-27-4	Bromodichloromethane	50	50.4	101	70-130
75-25-2	Bromoform	50	51.6	103	70-130
74-83-9	Bromomethane	50	60.2	120	70-130
78-93-3	2-Butanone (MEK)	50	66.5	133* [a]	70-130
104-51-8	n-Butylbenzene	50	48.8	98	70-130
135-98-8	sec-Butylbenzene	50	51.7	103	70-130
98-06-6	tert-Butylbenzene	50	50.1	100	70-130
75-15-0	Carbon disulfide	50	50.8	102	70-130
56-23-5	Carbon tetrachloride	50	52.9	106	70-130
108-90-7	Chlorobenzene	50	59.3	119	70-130
75-00-3	Chloroethane	50	54.7	109	70-130
110-75-8	2-Chloroethyl vinyl ether	50	33.2	66* [a]	70-130
67-66-3	Chloroform	50	55.0	110	70-130
74-87-3	Chloromethane	50	57.3	115	70-130
95-49-8	o-Chlorotoluene	50	49.0	98	70-130
106-43-4	p-Chlorotoluene	50	51.9	104	70-130
124-48-1	Dibromochloromethane	50	54.2	108	70-130
95-50-1	1,2-Dichlorobenzene	50	53.7	107	70-130
541-73-1	1,3-Dichlorobenzene	50	53.4	107	70-130
106-46-7	1,4-Dichlorobenzene	50	49.4	99	70-130
75-71-8	Dichlorodifluoromethane	50	55.1	110	70-130
75-34-3	1,1-Dichloroethane	50	54.2	108	70-130
107-06-2	1,2-Dichloroethane	50	48.6	97	70-130
75-35-4	1,1-Dichloroethene	50	51.5	103	70-130
156-59-2	cis-1,2-Dichloroethene	50	53.5	107	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.5	109	70-130
78-87-5	1,2-Dichloropropane	50	47.0	94	70-130
142-28-9	1,3-Dichloropropane	50	51.7	103	70-130
594-20-7	2,2-Dichloropropane	50	58.3	117	70-130
563-58-6	1,1-Dichloropropene	50	48.9	98	70-130
10061-01-5	cis-1,3-Dichloropropene	50	47.0	94	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-BS	K72593.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	50.3	101	70-130
123-91-1	1,4-Dioxane	250	227	91	70-130
97-63-2	Ethyl methacrylate	50	48.5	97	77-137
100-41-4	Ethylbenzene	50	50.9	102	70-130
87-68-3	Hexachlorobutadiene	50	48.5	97	70-130
591-78-6	2-Hexanone	50	58.5	117	70-130
98-82-8	Isopropylbenzene	50	51.3	103	70-130
99-87-6	p-Isopropyltoluene	50	50.7	101	70-130
1634-04-4	Methyl Tert Butyl Ether	50	49.7	99	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	43.5	87	70-130
74-95-3	Methylene bromide	50	50.2	100	70-130
75-09-2	Methylene chloride	50	55.1	110	70-130
91-20-3	Naphthalene	50	58.0	116	70-130
103-65-1	n-Propylbenzene	50	50.6	101	70-130
100-42-5	Styrene	50	54.2	108	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	55.7	111	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	48.6	97	70-130
127-18-4	Tetrachloroethene	50	57.7	115	70-130
108-88-3	Toluene	50	50.0	100	70-130
87-61-6	1,2,3-Trichlorobenzene	50	62.9	126	70-130
120-82-1	1,2,4-Trichlorobenzene	50	54.8	110	70-130
71-55-6	1,1,1-Trichloroethane	50	52.4	105	70-130
79-00-5	1,1,2-Trichloroethane	50	48.5	97	70-130
79-01-6	Trichloroethene	50	48.8	98	70-130
75-69-4	Trichlorofluoromethane	50	50.0	100	70-130
96-18-4	1,2,3-Trichloropropane	50	42.1	84	70-130
95-63-6	1,2,4-Trimethylbenzene	50	47.9	96	70-130
108-67-8	1,3,5-Trimethylbenzene	50	46.8	94	70-130
108-05-4	Vinyl Acetate	50	34.5	69* [a]	70-130
75-01-4	Vinyl chloride	50	41.2	82	70-130
	m,p-Xylene	100	106	106	70-130
95-47-6	o-Xylene	50	54.5	109	70-130
1330-20-7	Xylene (total)	150	160	107	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-BS	K72593.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2366-BS	K72648.D	1	07/31/13	GK	n/a	n/a	MSK2366

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-3, MC22808-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	53.0	106	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2368-BS	K72700.D	1	08/01/13	GK	n/a	n/a	MSK2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	54.9	110	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23063-7MS	K72601.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7MSD	K72602.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7	K72600.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: Method: SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	MC23063-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	7.6		250	165	63* [a]	250	167	64* [a]	1	70-130/30
107-13-1	Acrylonitrile	ND		250	232	93	250	225	90	3	70-130/30
71-43-2	Benzene	ND		250	244	98	250	237	95	3	70-130/30
108-86-1	Bromobenzene	ND		250	223	89	250	228	91	2	70-130/30
74-97-5	Bromochloromethane	ND		250	243	97	250	238	95	2	70-130/30
75-27-4	Bromodichloromethane	ND		250	232	93	250	227	91	2	70-130/30
75-25-2	Bromoform	ND		250	234	94	250	234	94	0	70-130/30
74-83-9	Bromomethane	ND		250	249	100	250	239	96	4	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	219	88	250	216	86	1	70-130/30
104-51-8	n-Butylbenzene	ND		250	233	93	250	234	94	0	70-130/30
135-98-8	sec-Butylbenzene	ND		250	231	92	250	231	92	0	70-130/30
98-06-6	tert-Butylbenzene	ND		250	225	90	250	225	90	0	70-130/30
75-15-0	Carbon disulfide	ND		250	217	87	250	207	83	5	70-130/30
56-23-5	Carbon tetrachloride	ND		250	253	101	250	244	98	4	70-130/30
108-90-7	Chlorobenzene	ND		250	254	102	250	252	101	1	70-130/30
75-00-3	Chloroethane	ND		250	240	96	250	230	92	4	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		250	211	84	250	205	82	3	70-130/30
67-66-3	Chloroform	ND		250	260	104	250	253	101	3	70-130/30
74-87-3	Chloromethane	ND		250	207	83	250	201	80	3	70-130/30
95-49-8	o-Chlorotoluene	ND		250	217	87	250	217	87	0	70-130/30
106-43-4	p-Chlorotoluene	ND		250	219	88	250	220	88	0	70-130/30
124-48-1	Dibromochloromethane	ND		250	245	98	250	245	98	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	231	92	250	234	94	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	231	92	250	231	92	0	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	226	90	250	228	91	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	222	89	250	208	83	7	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	249	100	250	241	96	3	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	223	89	250	218	87	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	236	94	250	223	89	6	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	256	102	250	249	100	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	254	102	250	246	98	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	219	88	250	215	86	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	243	97	250	240	96	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	265	106	250	253	101	5	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	229	92	250	223	89	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	218	87	250	217	87	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23063-7MS	K72601.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7MSD	K72602.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7	K72600.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	MC23063-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	219	88	250	216	86	1	70-130/30
123-91-1	1,4-Dioxane	ND		1250	1080	86	1250	1130	90	5	70-130/30
97-63-2	Ethyl methacrylate	ND		250	222	89	250	218	87	2	72-139/30
100-41-4	Ethylbenzene	ND		250	238	95	250	236	94	1	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	234	94	250	235	94	0	70-130/30
591-78-6	2-Hexanone	ND		250	177	71	250	174	70	2	70-130/30
98-82-8	Isopropylbenzene	ND		250	225	90	250	226	90	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	231	92	250	233	93	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	236	94	250	230	92	3	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	191	76	250	188	75	2	70-130/30
74-95-3	Methylene bromide	ND		250	232	93	250	228	91	2	70-130/30
75-09-2	Methylene chloride	ND		250	256	102	250	247	99	4	70-130/30
91-20-3	Naphthalene	1.3		250	264	105	250	269	107	2	70-130/30
103-65-1	n-Propylbenzene	ND		250	224	90	250	223	89	0	70-130/30
100-42-5	Styrene	ND		250	253	101	250	254	102	0	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	258	103	250	258	103	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	224	90	250	225	90	0	70-130/30
127-18-4	Tetrachloroethene	ND		250	263	105	250	264	106	0	70-130/30
108-88-3	Toluene	0.50		250	231	92	250	226	90	2	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	279	112	250	291	116	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	247	99	250	253	101	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	250	100	250	240	96	4	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	227	91	250	219	88	4	70-130/30
79-01-6	Trichloroethene	ND		250	229	92	250	225	90	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	258	103	250	244	98	6	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	193	77	250	190	76	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	1.3		250	231	92	250	231	92	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	226	90	250	229	92	1	70-130/30
108-05-4	Vinyl Acetate	ND		250	214	86	250	209	84	2	70-130/30
75-01-4	Vinyl chloride	ND		250	226	90	250	217	87	4	70-130/30
	m,p-Xylene	ND		500	474	95	500	476	95	0	70-130/30
95-47-6	o-Xylene	ND		250	235	94	250	236	94	0	70-130/30
1330-20-7	Xylene (total)	0.80		750	709	94	750	712	95	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23063-7MS	K72601.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7MSD	K72602.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7	K72600.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Surrogate Recoveries	MS	MSD	MC23063-7	Limits
1868-53-7	Dibromofluoromethane	105%	104%	113%	70-130%
2037-26-5	Toluene-D8	100%	99%	97%	70-130%
460-00-4	4-Bromofluorobenzene	93%	95%	93%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22841-37MS	L76163.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37MSD	L76164.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37	L76149.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	MC22841-37 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	11.1		250	119	43* [a]	250	130	48* [a]	9	70-130/30
107-02-8	Acrolein	ND		1250	1190	95	1250	1280	102	7	70-130/30
107-13-1	Acrylonitrile	ND		250	157	63* [a]	250	168	67* [a]	7	70-130/30
108-86-1	Bromobenzene	ND		250	258	103	250	261	104	1	70-130/30
74-97-5	Bromochloromethane	ND		250	218	87	250	216	86	1	70-130/30
75-27-4	Bromodichloromethane	ND		250	227	91	250	228	91	0	70-130/30
75-25-2	Bromoform	ND		250	221	88	250	230	92	4	70-130/30
74-83-9	Bromomethane	ND		250	223	89	250	246	98	10	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	145	58* [a]	250	160	64* [a]	10	70-130/30
104-51-8	n-Butylbenzene	ND		250	261	104	250	271	108	4	70-130/30
135-98-8	sec-Butylbenzene	ND		250	285	114	250	291	116	2	70-130/30
98-06-6	tert-Butylbenzene	ND		250	283	113	250	281	112	1	70-130/30
75-15-0	Carbon disulfide	ND		250	196	78	250	194	78	1	70-130/30
56-23-5	Carbon tetrachloride	ND		250	228	91	250	237	95	4	70-130/30
108-90-7	Chlorobenzene	ND		250	272	109	250	267	107	2	70-130/30
75-00-3	Chloroethane	ND		250	218	87	250	211	84	3	70-130/30
67-66-3	Chloroform	ND		250	208	83	250	209	84	0	70-130/30
74-87-3	Chloromethane	ND		250	166	66* [a]	250	162	65* [a]	2	70-130/30
95-49-8	o-Chlorotoluene	ND		250	258	103	250	257	103	0	70-130/30
106-43-4	p-Chlorotoluene	ND		250	268	107	250	270	108	1	70-130/30
124-48-1	Dibromochloromethane	ND		250	252	101	250	253	101	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	273	109	250	278	111	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	265	106	250	268	107	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	241	96	250	247	99	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	213	85	250	212	85	0	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	205	82	250	202	81	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	211	84	250	214	86	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	242	97	250	239	96	1	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	212	85	250	211	84	0	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	214	86	250	209	84	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	210	84	250	206	82	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	251	100	250	249	100	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	212	85	250	210	84	1	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	242	97	250	239	96	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	190	76	250	194	78	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	207	83	250	212	85	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22841-37MS	L76163.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37MSD	L76164.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37	L76149.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Compound	MC22841-37 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		1250	950	76	1250	1010	81	6	70-130/30
97-63-2	Ethyl methacrylate	ND		250	225	90	250	234	94	4	72-139/30
100-41-4	Ethylbenzene	ND		250	335	134* [a]	250	275	110	20	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	252	101	250	269	108	7	70-130/30
591-78-6	2-Hexanone	ND		250	178	71	250	186	74	4	70-130/30
98-82-8	Isopropylbenzene	ND		250	274	110	250	274	110	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	270	108	250	275	110	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	181	72	250	183	73	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	164	66* [a]	250	175	70	6	70-130/30
74-95-3	Methylene bromide	ND		250	225	90	250	229	92	2	70-130/30
75-09-2	Methylene chloride	ND		250	190	76	250	208	83	9	70-130/30
91-20-3	Naphthalene	ND		250	248	99	250	237	95	5	70-130/30
103-65-1	n-Propylbenzene	ND		250	271	108	250	271	108	0	70-130/30
100-42-5	Styrene	ND		250	256	102	250	253	101	1	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	257	103	250	251	100	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	227	91	250	241	96	6	70-130/30
127-18-4	Tetrachloroethene	ND		250	290	116	250	285	114	2	70-130/30
108-88-3	Toluene	ND		250	237	95	250	224	90	6	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	221	88	250	236	94	7	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	224	90	250	237	95	6	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	246	98	250	244	98	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	223	89	250	230	92	3	70-130/30
79-01-6	Trichloroethene	ND		250	206	82	250	210	84	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	214	86	250	215	86	0	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	235	94	250	248	99	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	283	113	250	256	102	10	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	247	99	250	243	97	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	112	45* [a]	250	120	48* [a]	7	70-130/30
75-01-4	Vinyl chloride	ND		250	169	68* [a]	250	168	67* [a]	1	70-130/30
	m,p-Xylene	ND		500	616	123	500	569	114	8	70-130/30
95-47-6	o-Xylene	ND		250	304	122	250	287	115	6	70-130/30
1330-20-7	Xylene (total)	ND		750	920	123	750	855	114	7	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22841-37MS	L76163.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37MSD	L76164.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37	L76149.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-5

CAS No.	Surrogate Recoveries	MS	MSD	MC22841-37	Limits
1868-53-7	Dibromofluoromethane	78%	77%	86%	70-130%
2037-26-5	Toluene-D8	89%	90%	91%	70-130%
460-00-4	4-Bromofluorobenzene	99%	99%	110%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22784-4MS	K72663.D	100	07/31/13	GK	n/a	n/a	MSK2366
MC22784-4MSD	K72664.D	100	07/31/13	GK	n/a	n/a	MSK2366
MC22784-4	K72660.D	100	07/31/13	GK	n/a	n/a	MSK2366

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-1, MC22808-3, MC22808-4

CAS No.	Compound	MC22784-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	16600		5000	18900	46* [a]	5000	18200	32* [a]	4	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC22784-4	Limits
1868-53-7	Dibromofluoromethane	103%	102%	112%	70-130%
2037-26-5	Toluene-D8	100%	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	93%	94%	93%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22975-2MS	K72719.D	5	08/01/13	GK	n/a	n/a	MSK2368
MC22975-2MSD	K72720.D	5	08/01/13	GK	n/a	n/a	MSK2368
MC22975-2	K72717.D	1	08/01/13	GK	n/a	n/a	MSK2368

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22808-2

CAS No.	Compound	MC22975-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		250	239	96	250	259	104	8	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	MC22975-2	Limits
1868-53-7	Dibromofluoromethane	107%	106%	118%	70-130%
2037-26-5	Toluene-D8	99%	99%	96%	70-130%
460-00-4	4-Bromofluorobenzene	93%	93%	93%	70-130%

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSK2364-CC2349	**Injection Date:**	07/30/13
Lab File ID:	K72592.D	**Injection Time:**	09:08
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	320544	8.84	489795	9.69	219173	12.94	243128	15.50	60132	6.42
Upper Limit [a]	641088	9.34	979590	10.19	438346	13.44	486256	16.00	120264	6.92
Lower Limit [b]	160272	8.34	244898	9.19	109587	12.44	121564	15.00	30066	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2364-BS	329119	8.84	495483	9.69	221013	12.94	245955	15.50	61791	6.42
MSK2364-MB	326556	8.84	499615	9.69	207915	12.95	229665	15.50	62604	6.42
ZZZZZZ	318533	8.84	495077	9.69	207202	12.94	223099	15.50	53397	6.42
ZZZZZZ	320700	8.84	497824	9.69	209451	12.95	227612	15.50	54784	6.42
ZZZZZZ	318185	8.84	495775	9.69	209475	12.95	227266	15.50	57473	6.42
MC23063-7	315918	8.84	490255	9.69	207127	12.95	227071	15.50	54974	6.42
MC23063-7MS	320430	8.84	487202	9.69	219534	12.94	244640	15.50	58048	6.42
MC23063-7MSD	333458	8.84	503292	9.69	222584	12.94	248245	15.50	58675	6.42
ZZZZZZ	345938	8.84	526637	9.69	220526	12.94	246576	15.50	61922	6.42
MC22808-1	351026	8.84	520496	9.69	224354	12.95	245895	15.50	61640	6.42
MC22808-2	330184	8.84	500727	9.69	220475	12.94	244985	15.50	61439	6.42
MC22808-3	332970	8.84	508447	9.69	219135	12.95	245836	15.50	59067	6.42
MC22808-4	328972	8.84	496261	9.69	214671	12.95	235203	15.50	57585	6.42
MC22808-5	330012	8.84	506267	9.69	210703	12.95	228576	15.50	60120	6.42
ZZZZZZ	314407	8.84	472708	9.69	203934	12.95	223361	15.50	56194	6.42
ZZZZZZ	319137	8.84	488448	9.69	204600	12.95	226441	15.50	59090	6.42
ZZZZZZ	322075	8.84	490581	9.69	207458	12.94	225171	15.50	57134	6.42
ZZZZZZ	320148	8.84	496157	9.69	210782	12.95	233189	15.50	66713	6.42
ZZZZZZ	312325	8.84	479212	9.69	204466	12.95	222858	15.50	62442	6.43
ZZZZZZ	314999	8.84	485504	9.69	205334	12.94	224129	15.50	49710	6.42
ZZZZZZ	315661	8.84	492867	9.69	207420	12.95	223862	15.50	48795	6.42
ZZZZZZ	308741	8.84	477769	9.69	203653	12.94	221439	15.50	52240	6.42
ZZZZZZ	298703	8.84	463327	9.69	198679	12.94	215736	15.50	52037	6.42
ZZZZZZ	295815	8.84	461445	9.69	198982	12.95	216406	15.50	52646	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSK2366-CC2349	**Injection Date:**	07/31/13
Lab File ID:	K72647.D	**Injection Time:**	10:30
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	300765	8.84	460487	9.68	210233	12.94	232953	15.50	59404	6.42
Upper Limit [a]	601530	9.34	920974	10.18	420466	13.44	465906	16.00	118808	6.92
Lower Limit [b]	150383	8.34	230244	9.18	105117	12.44	116477	15.00	29702	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2366-BS	321156	8.84	485759	9.69	216661	12.94	244551	15.50	60842	6.42
MSK2366-MB	322053	8.84	494666	9.69	208747	12.95	228574	15.50	56746	6.42
ZZZZZZ	316797	8.84	494861	9.69	203839	12.95	219531	15.50	52179	6.42
ZZZZZZ	314783	8.84	480402	9.69	203033	12.95	218166	15.50	52445	6.42
ZZZZZZ	311733	8.84	483482	9.69	203382	12.95	221351	15.50	54956	6.42
MC22808-1	305518	8.84	469152	9.69	202287	12.95	218582	15.50	53555	6.42
MC22808-4	295330	8.84	456894	9.69	197310	12.95	214363	15.50	51132	6.42
MC22808-3	303383	8.84	462409	9.69	199162	12.95	218726	15.50	56337	6.42
ZZZZZZ	297819	8.84	464055	9.69	199537	12.95	215408	15.50	54806	6.42
MC22784-4	301445	8.84	457655	9.69	201576	12.95	227421	15.50	57409	6.42
ZZZZZZ	310446	8.84	468211	9.69	203076	12.95	221825	15.50	53974	6.42
ZZZZZZ	306430	8.84	473624	9.69	210766	12.95	226847	15.50	52623	6.42
MC22784-4MS	312806	8.84	470114	9.69	213915	12.94	240223	15.50	58864	6.42
MC22784-4MSD	323610	8.84	481447	9.69	218500	12.94	241809	15.50	54738	6.42
ZZZZZZ	312926	8.84	472847	9.69	205908	12.95	225930	15.50	57423	6.42
ZZZZZZ	315857	8.84	480763	9.69	207366	12.95	226233	15.51	57091	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSK2368-CC2349	**Injection Date:**	08/01/13
Lab File ID:	K72699.D	**Injection Time:**	10:29
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	307215	8.84	470810	9.69	211357	12.94	235543	15.50	55629	6.42
Upper Limit [a]	614430	9.34	941620	10.19	422714	13.44	471086	16.00	111258	6.92
Lower Limit [b]	153608	8.34	235405	9.19	105679	12.44	117772	15.00	27815	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2368-BS	312632	8.84	473849	9.69	213192	12.94	240676	15.51	55789	6.42
MSK2368-MB	307884	8.84	474067	9.69	200383	12.95	220646	15.51	55798	6.42
ZZZZZZ	315487	8.84	486749	9.69	203623	12.95	222804	15.51	50708	6.42
MC22808-2 [c]	295201	8.84	454612	9.69	193348	12.95	216610	15.51	54576	6.42
ZZZZZZ	294983	8.84	453286	9.69	195650	12.95	211953	15.51	50716	6.42
ZZZZZZ	296266	8.84	455045	9.69	195865	12.95	212070	15.51	46063	6.42
ZZZZZZ	292984	8.84	456887	9.69	193361	12.95	213007	15.51	49067	6.42
ZZZZZZ	291242	8.84	455211	9.69	191986	12.95	207157	15.51	45152	6.42
ZZZZZZ	282978	8.84	434228	9.69	187555	12.95	208940	15.51	44246	6.42
ZZZZZZ	293680	8.84	449871	9.69	193834	12.95	216871	15.51	51181	6.42
ZZZZZZ	292420	8.84	449533	9.69	195041	12.95	210601	15.51	49403	6.42
ZZZZZZ	297966	8.84	459006	9.69	197045	12.95	219588	15.51	43739	6.42
ZZZZZZ	293029	8.84	456879	9.69	193142	12.95	210831	15.51	44215	6.42
ZZZZZZ	286475	8.84	444285	9.69	191506	12.95	206548	15.51	47318	6.42
ZZZZZZ	289995	8.84	457260	9.69	195110	12.95	205503	15.51	47403	6.42
MC22975-2	279661	8.84	441830	9.69	190304	12.95	203733	15.51	47467	6.42
ZZZZZZ	280332	8.84	443730	9.69	190340	12.95	202643	15.51	50180	6.42
MC22975-2MS	286861	8.84	447386	9.69	201892	12.94	226849	15.51	48881	6.42
MC22975-2MSD	303985	8.84	462670	9.69	209337	12.94	233287	15.50	50184	6.42
ZZZZZZ	315342	8.84	476603	9.69	207795	12.95	241185	15.51	55851	6.42
ZZZZZZ	302566	8.84	469502	9.69	201059	12.95	221494	15.51	63648	6.42
ZZZZZZ	296581	8.84	463781	9.69	198530	12.95	221998	15.51	65984	6.42
ZZZZZZ	304152	8.84	478054	9.69	203936	12.95	219477	15.51	62863	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample reanalyzed past recommended hold time.

Volatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSL3537-CC3534	**Injection Date:**	07/30/13
Lab File ID:	L76141.D	**Injection Time:**	08:33
Instrument ID:	GCMSL	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	99478	8.06	132933	8.89	69228	12.13	71450	14.68	27078	5.75
Upper Limit [a]	198956	8.56	265866	9.39	138456	12.63	142900	15.18	54156	6.25
Lower Limit [b]	49739	7.56	66467	8.39	34614	11.63	35725	14.18	13539	5.25

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSL3537-BS	105109	8.06	140042	8.89	72455	12.13	74271	14.68	32829	5.75
MSL3537-MB	104362	8.07	138887	8.90	70706	12.13	67181	14.69	36489	5.79
ZZZZZZ	106821	8.06	142227	8.90	71838	12.13	70133	14.69	31405	5.79
ZZZZZZ	105001	8.06	143376	8.90	70875	12.13	68210	14.69	34256	5.79
ZZZZZZ	104929	8.06	138084	8.90	70282	12.13	67733	14.68	30817	5.79
MC22841-37	103547	8.06	140464	8.90	70497	12.13	66221	14.69	35115	5.79
ZZZZZZ	102249	8.06	136745	8.90	68886	12.13	65926	14.68	30179	5.79
ZZZZZZ	102778	8.06	135832	8.90	69093	12.13	66855	14.68	34368	5.79
MC22808-1	100661	8.06	128582	8.89	67366	12.13	69471	14.68	34083	5.78
MC22808-2	107511	8.21	92723	9.00	73523	12.14	81280	14.68	31596	5.75
MC22808-3	111049	8.12	112101	8.94	75584	12.13	81338	14.68	33046	5.74
MC22808-4	115175	8.12	116261	8.94	77796	12.13	82840	14.68	30211	5.73
MC22808-5	112803	8.06	142810	8.89	73110	12.13	72785	14.68	35753	5.78
ZZZZZZ	118405	8.11	126283	8.93	79927	12.13	86679	14.68	34473	5.75
ZZZZZZ	121680	8.07	146112	8.90	77682	12.13	81351	14.68	32423	5.78
ZZZZZZ	121449	8.07	147670	8.90	78778	12.13	82083	14.68	33107	5.78
ZZZZZZ	120042	8.08	138085	8.92	79280	12.13	85721	14.68	35628	5.73
ZZZZZZ	114085	8.06	150175	8.89	76708	12.13	85592	14.68	54138	5.70
ZZZZZZ	114350	8.06	147597	8.89	73655	12.13	79674	14.68	42291	5.76
MC22841-37MS	114003	8.06	146262	8.89	73467	12.13	78233	14.68	34748	5.75
MC22841-37MSD	113198	8.06	144863	8.89	74017	12.13	77378	14.68	37539	5.76

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22808-1	L76152.D	86	94	107
MC22808-1	K72655.D	113	98	93
MC22808-1	K72604.D	108	100	94
MC22808-2	L76153.D	82	139* [a]	100
MC22808-2	K72705.D	113	99	92
MC22808-2	K72605.D	110	103	94
MC22808-3	K72606.D	109	100	93
MC22808-3	L76154.D	81	119	99
MC22808-3	K72657.D	113	100	93
MC22808-4	K72607.D	110	100	94
MC22808-4	K72656.D	115	98	94
MC22808-4	L76155.D	80	118	100
MC22808-5	K72608.D	110	95	94
MC22808-5	L76156.D	79	93	105
MC22784-4MS	K72663.D	103	100	93
MC22784-4MSD	K72664.D	102	100	94
MC22841-37MS	L76163.D	78	89	99
MC22841-37MSD	L76164.D	77	90	99
MC22975-2MS	K72719.D	107	99	93
MC22975-2MSD	K72720.D	106	99	93
MC23063-7MS	K72601.D	105	100	93
MC23063-7MSD	K72602.D	104	99	95
MSK2364-BS	K72593.D	103	100	94
MSK2364-MB	K72596.D	112	96	94
MSK2366-BS	K72648.D	105	100	93
MSK2366-MB	K72651.D	111	97	92
MSK2368-BS	K72700.D	104	100	93
MSK2368-MB	K72703.D	112	97	93
MSL3537-BS	L76142.D	85	90	101
MSL3537-MB	L76145.D	85	90	108

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

(a) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-MB	R32367.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.64	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.20	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.85	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.57	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.92	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.23	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.13	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.65	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.68	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	2.6	5.0	0.50	ug/l	J
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	0.40	5.0	0.39	ug/l	J
117-84-0	Di-n-octyl phthalate	5.7	5.0	0.43	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	0.50	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.50	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.5	2.0	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.30	ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-MB	R32367.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	Result	RL	MDL	Units	Q
77-47-4	Hexachlorocyclopentadiene	ND	10	2.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.44	ug/l	
78-59-1	Isophorone	ND	5.0	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.3	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.81	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.54	ug/l	
110-86-1	Pyridine	ND	10	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	51%	15-110%
4165-62-2	Phenol-d5	18%	15-110%
118-79-6	2,4,6-Tribromophenol	89%	15-110%
4165-60-0	Nitrobenzene-d5	78%	30-130%
321-60-8	2-Fluorobiphenyl	91%	30-130%
1718-51-0	Terphenyl-d14	86%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile			ug/l	

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34100-MB	W14158.D	1	07/25/13	WK	07/23/13	OP34100	MSW640

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.015	0.10	0.014	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.013	ug/l	
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	0.030	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.017	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.059	ug/l	
218-01-9	Chrysene	ND	0.10	0.073	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.042	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.033	ug/l	
86-73-7	Fluorene	ND	0.10	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.046	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	0.052	ug/l	
85-01-8	Phenanthrene	0.024	0.050	0.013	ug/l	J
129-00-0	Pyrene	ND	0.10	0.036	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	52%	15-110%
4165-62-2	Phenol-d5	19%	15-110%
118-79-6	2,4,6-Tribromophenol	96%	15-110%
4165-60-0	Nitrobenzene-d5	88%	30-130%
321-60-8	2-Fluorobiphenyl	84%	30-130%
1718-51-0	Terphenyl-d14	91%	30-130%

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-BS	R32368.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	19.0	38	30-130
95-57-8	2-Chlorophenol	50	45.0	90	30-130
59-50-7	4-Chloro-3-methyl phenol	50	49.4	99	30-130
120-83-2	2,4-Dichlorophenol	50	47.1	94	30-130
105-67-9	2,4-Dimethylphenol	50	42.5	85	30-130
51-28-5	2,4-Dinitrophenol	50	37.2	74	30-130
534-52-1	4,6-Dinitro-o-cresol	50	46.6	93	30-130
95-48-7	2-Methylphenol	50	40.7	81	30-130
	3&4-Methylphenol	100	74.6	75	30-130
88-75-5	2-Nitrophenol	50	48.9	98	30-130
100-02-7	4-Nitrophenol	50	19.9	40	30-130
87-86-5	Pentachlorophenol	50	43.0	86	30-130
108-95-2	Phenol	50	22.8	46	30-130
95-95-4	2,4,5-Trichlorophenol	50	52.7	105	30-130
88-06-2	2,4,6-Trichlorophenol	50	51.6	103	30-130
62-53-3	Aniline	50	34.1	68	40-140
101-55-3	4-Bromophenyl phenyl ether	50	46.7	93	40-140
85-68-7	Butyl benzyl phthalate	50	48.1	96	40-140
100-51-6	Benzyl Alcohol	50	34.9	70	40-140
91-58-7	2-Chloronaphthalene	50	44.3	89	40-140
106-47-8	4-Chloroaniline	50	39.5	79	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	40.1	80	40-140
111-44-4	bis(2-Chloroethyl)ether	50	38.5	77	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	40.2	80	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	49.5	99	40-140
122-66-7	1,2-Diphenylhydrazine	50	40.6	81	40-140
121-14-2	2,4-Dinitrotoluene	50	51.1	102	40-140
606-20-2	2,6-Dinitrotoluene	50	47.1	94	40-140
91-94-1	3,3'-Dichlorobenzidine	50	48.4	97	40-140
132-64-9	Dibenzofuran	50	46.7	93	40-140
84-74-2	Di-n-butyl phthalate	50	47.7	95	40-140
117-84-0	Di-n-octyl phthalate	50	51.7	103	40-140
84-66-2	Diethyl phthalate	50	42.6	85	40-140
131-11-3	Dimethyl phthalate	50	26.9	54	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	47.2	94	40-140
118-74-1	Hexachlorobenzene	50	45.5	91	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-BS	R32368.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
77-47-4	Hexachlorocyclopentadiene	50	14.4	29* [a]	40-140
67-72-1	Hexachloroethane	50	35.1	70	40-140
78-59-1	Isophorone	50	40.1	80	40-140
88-74-4	2-Nitroaniline	50	52.1	104	40-140
99-09-2	3-Nitroaniline	50	47.3	95	40-140
100-01-6	4-Nitroaniline	50	51.1	102	40-140
98-95-3	Nitrobenzene	50	36.7	73	40-140
62-75-9	n-Nitrosodimethylamine	50	24.4	49	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	39.4	79	40-140
86-30-6	N-Nitrosodiphenylamine	50	44.1	88	40-140
110-86-1	Pyridine	50	22.7	45	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	56%	15-110%
4165-62-2	Phenol-d5	20%	15-110%
118-79-6	2,4,6-Tribromophenol	99%	15-110%
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	91%	30-130%
1718-51-0	Terphenyl-d14	89%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34100-BS	W14159.D	1	07/25/13	WK	07/23/13	OP34100	MSW640

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	43.7	87	40-140
208-96-8	Acenaphthylene	50	36.0	72	40-140
120-12-7	Anthracene	50	43.4	87	40-140
56-55-3	Benzo(a)anthracene	50	47.8	96	40-140
50-32-8	Benzo(a)pyrene	50	46.6	93	40-140
205-99-2	Benzo(b)fluoranthene	50	52.2	104	40-140
191-24-2	Benzo(g,h,i)perylene	50	51.0	102	40-140
207-08-9	Benzo(k)fluoranthene	50	46.9	94	40-140
218-01-9	Chrysene	50	44.4	89	40-140
53-70-3	Dibenzo(a,h)anthracene	50	50.9	102	40-140
206-44-0	Fluoranthene	50	46.8	94	40-140
86-73-7	Fluorene	50	45.0	90	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	50.1	100	40-140
90-12-0	1-Methylnaphthalene	50	42.2	84	40-140
91-57-6	2-Methylnaphthalene	50	40.2	80	40-140
85-01-8	Phenanthrene	50	43.2	86	40-140
129-00-0	Pyrene	50	44.4	89	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	57%	15-110%
4165-62-2	Phenol-d5	20%	15-110%
118-79-6	2,4,6-Tribromophenol	104%	15-110%
4165-60-0	Nitrobenzene-d5	91%	30-130%
321-60-8	2-Fluorobiphenyl	88%	30-130%
1718-51-0	Terphenyl-d14	93%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-MS	R32369.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
OP34099-MSD	R32370.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
MC22900-7	R32371.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: Method: SW846 8270C

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	MC22900-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		50	18.4	37	50	16.5	33	11	30-130/20
95-57-8	2-Chlorophenol	ND		50	43.5	87	50	39.1	78	11	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		50	45.9	92	50	44.2	88	4	30-130/20
120-83-2	2,4-Dichlorophenol	ND		50	45.5	91	50	42.2	84	8	30-130/20
105-67-9	2,4-Dimethylphenol	ND		50	37.4	75	50	34.6	69	8	30-130/20
51-28-5	2,4-Dinitrophenol	ND		50	36.2	72	50	35.3	71	3	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		50	48.0	96	50	45.7	91	5	30-130/20
95-48-7	2-Methylphenol	ND		50	38.9	78	50	35.9	72	8	30-130/20
	3&4-Methylphenol	ND		100	72.2	72	100	64.7	65	11	30-130/20
88-75-5	2-Nitrophenol	ND		50	46.1	92	50	42.5	85	8	30-130/20
100-02-7	4-Nitrophenol	ND		50	19.5	39	50	19.4	39	1	30-130/20
87-86-5	Pentachlorophenol	ND		50	44.2	88	50	43.2	86	2	30-130/20
108-95-2	Phenol	ND		50	18.7	37	50	16.6	33	12	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		50	50.7	101	50	50.9	102	0	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		50	49.1	98	50	48.7	97	1	30-130/20
62-53-3	Aniline	ND		50	33.6	67	50	29.9	60	12	40-140/20
101-55-3	4-Bromophenyl phenyl ether	ND		50	48.4	97	50	45.3	91	7	40-140/20
85-68-7	Butyl benzyl phthalate	ND		50	48.6	97	50	45.3	91	7	40-140/20
100-51-6	Benzyl Alcohol	ND		50	33.5	67	50	30.9	62	8	40-140/20
91-58-7	2-Chloronaphthalene	ND		50	42.1	84	50	41.3	83	2	40-140/20
106-47-8	4-Chloroaniline	ND		50	39.1	78	50	35.4	71	10	40-140/20
111-91-1	bis(2-Chloroethoxy)methane	ND		50	38.3	77	50	34.5	69	10	40-140/20
111-44-4	bis(2-Chloroethyl)ether	ND		50	36.7	73	50	33.1	66	10	40-140/20
108-60-1	bis(2-Chloroisopropyl)ether	ND		50	37.3	75	50	34.0	68	9	40-140/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		50	48.6	97	50	48.3	97	1	40-140/20
122-66-7	1,2-Diphenylhydrazine	ND		50	41.0	82	50	38.5	77	6	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		50	49.9	100	50	49.6	99	1	40-140/20
606-20-2	2,6-Dinitrotoluene	ND		50	46.3	93	50	46.0	92	1	40-140/20
91-94-1	3,3'-Dichlorobenzidine	ND		50	50.0	100	50	46.9	94	6	40-140/20
132-64-9	Dibenzofuran	ND		50	44.6	89	50	44.6	89	0	40-140/20
84-74-2	Di-n-butyl phthalate	ND		50	48.8	98	50	44.5	89	9	40-140/20
117-84-0	Di-n-octyl phthalate	ND		50	51.6	103	50	49.7	99	4	40-140/20
84-66-2	Diethyl phthalate	ND		50	42.4	85	50	42.1	84	1	40-140/20
131-11-3	Dimethyl phthalate	ND		50	27.4	55	50	28.8	58	5	40-140/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		50	46.7	93	50	44.4	89	5	40-140/20
118-74-1	Hexachlorobenzene	ND		50	45.8	92	50	42.6	85	7	40-140/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34099-MS	R32369.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
OP34099-MSD	R32370.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181
MC22900-7	R32371.D	1	07/25/13	WK	07/23/13	OP34099	MSR1181

The QC reported here applies to the following samples: Method: SW846 8270C

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	MC22900-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
77-47-4	Hexachlorocyclopentadiene	ND		50	13.9	28* [a]	50	13.2	26* [a]	5	40-140/20
67-72-1	Hexachloroethane	ND		50	32.8	66	50	30.2	60	8	40-140/20
78-59-1	Isophorone	ND		50	38.5	77	50	35.2	70	9	40-140/20
88-74-4	2-Nitroaniline	ND		50	49.5	99	50	50.0	100	1	40-140/20
99-09-2	3-Nitroaniline	ND		50	46.0	92	50	45.7	91	1	40-140/20
100-01-6	4-Nitroaniline	ND		50	49.2	98	50	48.0	96	2	40-140/20
98-95-3	Nitrobenzene	ND		50	33.6	67	50	30.6	61	9	40-140/20
62-75-9	n-Nitrosodimethylamine	ND		50	23.9	48	50	21.1	42	12	40-140/20
621-64-7	N-Nitroso-di-n-propylamine	ND		50	38.7	77	50	35.9	72	8	40-140/20
86-30-6	N-Nitrosodiphenylamine	ND		50	45.4	91	50	43.1	86	5	40-140/20
110-86-1	Pyridine	ND		50	21.0	42	50	19.3	39* [a]	8	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-7	Limits
367-12-4	2-Fluorophenol	52%	48%	43%	15-110%
4165-62-2	Phenol-d5	19%	18%	15%	15-110%
118-79-6	2,4,6-Tribromophenol	100%	95%	75%	15-110%
4165-60-0	Nitrobenzene-d5	75%	70%	62%	30-130%
321-60-8	2-Fluorobiphenyl	87%	86%	74%	30-130%
1718-51-0	Terphenyl-d14	88%	84%	81%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34100-MS	W14160.D	1	07/25/13	WK	07/23/13	OP34100	MSW640
OP34100-MSD	W14161.D	1	07/25/13	WK	07/23/13	OP34100	MSW640
MC22900-8	W14162.D	1	07/25/13	WK	07/23/13	OP34100	MSW640

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22808-1, MC22808-2, MC22808-3, MC22808-4

CAS No.	Compound	MC22900-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.016	J	50	42.5	85	50	40.2	80	6	40-140/20
208-96-8	Acenaphthylene	ND		50	35.1	70	50	33.1	66	6	40-140/20
120-12-7	Anthracene	ND		50	43.1	86	50	40.8	82	5	40-140/20
56-55-3	Benzo(a)anthracene	0.063		50	47.9	96	50	44.4	89	8	40-140/20
50-32-8	Benzo(a)pyrene	0.077	J	50	46.7	93	50	44.4	89	5	40-140/20
205-99-2	Benzo(b)fluoranthene	0.083		50	52.3	104	50	47.9	96	9	40-140/20
191-24-2	Benzo(g,h,i)perylene	0.10		50	50.8	101	50	48.2	96	5	40-140/20
207-08-9	Benzo(k)fluoranthene	0.089	J	50	47.1	94	50	46.0	92	2	40-140/20
218-01-9	Chrysene	ND		50	45.1	90	50	41.9	84	7	40-140/20
53-70-3	Dibenzo(a,h)anthracene	0.086	J	50	51.5	103	50	48.6	97	6	40-140/20
206-44-0	Fluoranthene	ND		50	46.8	94	50	43.8	88	7	40-140/20
86-73-7	Fluorene	ND		50	43.7	87	50	42.2	84	3	40-140/20
193-39-5	Indeno(1,2,3-cd)pyrene	0.099	J	50	50.1	100	50	47.3	94	6	40-140/20
90-12-0	1-Methylnaphthalene	ND		50	41.4	83	50	37.9	76	9	40-140/20
91-57-6	2-Methylnaphthalene	ND		50	38.8	78	50	35.4	71	9	40-140/20
85-01-8	Phenanthrene	0.025	J	50	43.2	86	50	40.5	81	6	40-140/20
129-00-0	Pyrene	ND		50	44.4	89	50	41.6	83	7	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-8	Limits
367-12-4	2-Fluorophenol	51%	48%	44%	15-110%
4165-62-2	Phenol-d5	19%	18%	16%	15-110%
118-79-6	2,4,6-Tribromophenol	102%	99%	80%	15-110%
4165-60-0	Nitrobenzene-d5	86%	78%	70%	30-130%
321-60-8	2-Fluorobiphenyl	84%	79%	69%	30-130%
1718-51-0	Terphenyl-d14	92%	88%	86%	30-130%

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSF3050-CC3031	Injection Date:	07/31/13
Lab File ID:	F65881.D	Injection Time:	10:30
Instrument ID:	GCMSF	Method:	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	65224	4.28	241368	5.41	155474	7.05	292526	8.52	327179	11.31	312264	12.84
Upper Limit [a]	130448	4.78	482736	5.91	310948	7.55	585052	9.02	654358	11.81	624528	13.34
Lower Limit [b]	32612	3.78	120684	4.91	77737	6.55	146263	8.02	163590	10.81	156132	12.34
Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	94598	4.28	350924	5.41	215180	7.05	370087	8.52	393258	11.31	376529	12.84
ZZZZZZ	120872	4.28	445646	5.41	278310	7.05	493582	8.52	535493	11.32	536429	12.84
MC22808-3	103145	4.28	378038	5.41	239508	7.05	416550	8.52	462422	11.31	458506	12.84
MC22808-4	91381	4.28	341754	5.41	216140	7.05	389410	8.52	440868	11.31	440111	12.84
ZZZZZZ	84780	4.28	320953	5.41	207903	7.05	386682	8.51	447783	11.32	439901	12.84
OP34192-MB	92681	4.28	344679	5.41	220160	7.05	392675	8.51	429672	11.31	437141	12.84
OP34192-BS	89669	4.28	335101	5.41	214116	7.05	395262	8.52	430533	11.32	427035	12.84
OP34198-MB	72214	4.28	273744	5.41	173140	7.05	322697	8.52	358641	11.31	347610	12.84
OP34198-BS	78488	4.28	286841	5.41	184365	7.05	345011	8.51	379707	11.32	362610	12.84
MC22854-1	80929	4.28	302216	5.41	185927	7.05	327582	8.51	365869	11.31	352869	12.84
OP34198-MS	77533	4.28	294466	5.41	181775	7.05	322177	8.51	356052	11.32	344746	12.84
OP34198-MSD	75057	4.28	280556	5.41	173376	7.05	313692	8.52	347567	11.32	341239	12.84
ZZZZZZ	53621	4.28	197501	5.41	126429	7.05	240826	8.51	265815	11.31	262236	12.84
ZZZZZZ	46608	4.28	175111	5.41	112352	7.05	207830	8.52	229612	11.31	228773	12.83
ZZZZZZ	55439	4.28	206945	5.41	132536	7.05	245219	8.52	275859	11.31	276007	12.83
OP34192-MS	46451	4.28	173933	5.41	112098	7.05	211036	8.52	240971	11.31	236350	12.83
OP34192-MSD	53096	4.28	201440	5.41	130354	7.05	243852	8.51	273840	11.32	271297	12.84
MC23000-12	61034	4.28	234516	5.41	149660	7.05	276402	8.51	310276	11.31	316041	12.84
ZZZZZZ	57989	4.28	221742	5.41	145040	7.05	274776	8.51	303552	11.31	307428	12.84
ZZZZZZ	54637	4.28	204289	5.41	130621	7.05	241515	8.52	273740	11.31	276897	12.84
ZZZZZZ	64504	4.28	248416	5.41	159656	7.05	296275	8.52	333984	11.31	339989	12.84
ZZZZZZ	67685	4.28	252180	5.41	162247	7.05	293980	8.51	337333	11.31	343931	12.84
ZZZZZZ	75363	4.28	290668	5.41	182970	7.05	324335	8.51	378340	11.31	405058	12.84
ZZZZZZ	74327	4.28	281245	5.41	181499	7.05	341817	8.52	386510	11.31	399782	12.84
ZZZZZZ	84822	4.28	317569	5.41	207391	7.05	386239	8.51	449316	11.32	462932	12.84

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1181-CC1159	**Injection Date:**	07/25/13
Lab File ID:	R32366.D	**Injection Time:**	09:10
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	91960	4.31	348159	5.37	206505	6.91	380929	8.33	435773	11.31	400128	12.91
Upper Limit [a]	183920	4.81	696318	5.87	413010	7.41	761858	8.83	871546	11.81	800256	13.41
Lower Limit [b]	45980	3.81	174080	4.87	103253	6.41	190465	7.83	217887	10.81	200064	12.41

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34099-MB	78660	4.31	288087	5.37	172062	6.91	321141	8.32	373747	11.31	418554	12.90
OP34099-BS	69703	4.31	259840	5.37	157973	6.91	289204	8.32	323984	11.31	302608	12.90
OP34099-MS	79397	4.31	301780	5.37	183889	6.91	326659	8.32	372602	11.31	350917	12.90
OP34099-MSD	79356	4.31	299801	5.37	174762	6.91	328046	8.32	367379	11.31	343502	12.90
MC22900-7	73442	4.31	273692	5.37	164607	6.91	304082	8.32	347163	11.31	324634	12.90
MC22808-1	80186	4.31	300029	5.37	181395	6.91	329218	8.32	373093	11.31	358676	12.90
MC22808-2	87575	4.31	331612	5.37	197868	6.91	358566	8.32	402336	11.31	370553	12.90
MC22808-3	80571	4.31	302689	5.37	180475	6.91	323846	8.32	361731	11.31	337354	12.90
MC22808-4	66848	4.31	249641	5.37	154354	6.91	270360	8.32	306626	11.31	283874	12.90
ZZZZZZ	83207	4.31	311706	5.37	184206	6.91	344386	8.32	384883	11.31	353774	12.90
ZZZZZZ	82537	4.31	303506	5.37	182883	6.91	337051	8.32	379257	11.31	358102	12.90
ZZZZZZ	84436	4.31	318433	5.37	190440	6.91	349582	8.32	392685	11.31	367731	12.90
ZZZZZZ	63947	4.31	241663	5.37	143707	6.91	262008	8.32	294635	11.31	278779	12.90
ZZZZZZ	94576	4.31	352434	5.37	214088	6.91	393479	8.32	433790	11.31	413556	12.90
ZZZZZZ	68290	4.31	248776	5.37	151158	6.91	275847	8.32	306188	11.31	289568	12.90
ZZZZZZ	85482	4.31	324823	5.37	194291	6.91	361907	8.32	398334	11.31	371773	12.90
ZZZZZZ	82286	4.31	301271	5.37	185069	6.91	333873	8.32	379965	11.31	356403	12.90
ZZZZZZ	91686	4.31	339407	5.37	205341	6.91	372050	8.32	420247	11.31	388882	12.90
ZZZZZZ	83786	4.31	312905	5.37	188789	6.91	344819	8.32	386848	11.31	361742	12.90
ZZZZZZ	79395	4.31	291169	5.37	175498	6.91	324376	8.32	360857	11.31	343127	12.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW640-CC633	**Injection Date:**	07/25/13
Lab File ID:	W14151.D	**Injection Time:**	18:35
Instrument ID:	GCMSW	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	147497	3.61	398872	4.59	208639	6.02	342779	7.29	227027	10.07	529874	11.50
Upper Limit [a]	294994	4.11	797744	5.09	417278	6.52	685558	7.79	454054	10.57	1059748	12.00
Lower Limit [b]	73749	3.11	199436	4.09	104320	5.52	171390	6.79	113514	9.57	264937	11.00

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	158745	3.61	425524	4.59	213604	6.02	346415	7.29	232783	10.07	543569	11.50
ZZZZZZ	194520	3.61	515293	4.59	260518	6.02	417802	7.29	279816	10.07	658876	11.50
ZZZZZZ	196440	3.61	518923	4.59	261994	6.02	419768	7.29	284721	10.07	663360	11.50
ZZZZZZ	200445	3.61	534915	4.59	268836	6.02	435263	7.29	293127	10.07	686870	11.50
ZZZZZZ	208743	3.61	546944	4.59	280484	6.02	455571	7.29	309603	10.07	724509	11.50
ZZZZZZ	185330	3.61	486542	4.59	248902	6.02	399659	7.29	273217	10.07	637959	11.50
OP34100-MB	198321	3.61	517561	4.59	261699	6.02	420643	7.29	279529	10.07	659112	11.50
OP34100-BS	189704	3.61	497215	4.59	252552	6.02	411478	7.30	267104	10.07	627403	11.50
OP34100-MS	177507	3.61	462181	4.59	235898	6.02	383095	7.30	250045	10.07	590000	11.50
OP34100-MSD	208887	3.61	550082	4.59	276879	6.02	451205	7.30	295162	10.08	680742	11.50
MC22900-8	162797	3.61	431326	4.59	219242	6.02	354061	7.29	238052	10.07	556597	11.50
MC22808-1	188542	3.61	489659	4.59	250563	6.02	407276	7.29	269328	10.07	627769	11.50
MC22808-2	203693	3.61	535266	4.59	269964	6.02	435447	7.29	289638	10.07	681676	11.50
MC22808-3	245202	3.61	653423	4.59	327618	6.02	521551	7.30	351569	10.07	816313	11.50
MC22808-4	235507	3.61	622308	4.59	315386	6.02	499519	7.30	338232	10.08	786483	11.50
ZZZZZZ	208736	3.61	544236	4.59	276551	6.02	440110	7.29	301138	10.07	704483	11.50
ZZZZZZ	254629	3.61	663285	4.59	335801	6.02	541986	7.29	364075	10.07	864021	11.50
ZZZZZZ	206303	3.61	538383	4.59	270265	6.02	437418	7.29	294928	10.07	700763	11.50
ZZZZZZ	148489	3.61	385691	4.59	202899	6.02	342455	7.29	243249	10.07	586632	11.50
ZZZZZZ	174837	3.61	457545	4.59	234655	6.02	372204	7.29	254741	10.07	599746	11.50
ZZZZZZ	203167	3.61	533001	4.59	270126	6.02	438002	7.29	297994	10.07	703835	11.50
ZZZZZZ	205127	3.61	532499	4.59	269824	6.02	437980	7.29	296556	10.07	708155	11.50
ZZZZZZ	158871	3.61	418493	4.59	215462	6.02	351732	7.29	245145	10.07	597327	11.50

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC22808-1	R32372.D	37	17	76	65	75	81
MC22808-2	R32373.D	40	21	85	56	73	79
MC22808-3	F65884.D	61	31	98	99	93	89
MC22808-3	R32374.D	50	23	92	68	80	75
MC22808-4	F65885.D	54	27	97	82	81	84
MC22808-4	R32375.D	45	22	94	59	72	75
OP34099-BS	R32368.D	56	20	99	81	91	89
OP34099-MB	R32367.D	51	18	89	78	91	86
OP34099-MS	R32369.D	52	19	100	75	87	88
OP34099-MSD	R32370.D	48	18	95	70	86	84

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Semivolatile Surrogate Recovery Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC22808-1	W14163.D	37	17	83	68	72	85
MC22808-2	W14164.D	40	20	91	65	69	83
MC22808-3	W14165.D	52	23	94	77	74	77
MC22808-4	W14166.D	46	21	99	65	68	79
OP34100-BS	W14159.D	57	20	104	91	88	93
OP34100-MB	W14158.D	52	19	96	88	84	91
OP34100-MS	W14160.D	51	19	102	86	84	92
OP34100-MSD	W14161.D	48	18	99	78	79	88

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries

Method Blank Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-MB	BK27122.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-6

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0097	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	Bromofluorobenzene (S)	138%	36-173%
460-00-4	Bromofluorobenzene (S)	123%	36-173%

Blank Spike Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-BS	BK27123.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
96-12-8	1,2-Dibromo-3-chloropropane	0.071	0.085	120	60-140
106-93-4	1,2-Dibromoethane	0.071	0.077	108	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	Bromofluorobenzene (S)	125%	36-173%
460-00-4	Bromofluorobenzene (S)	107%	36-173%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-MS	BK27124.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
OP34095-MSD	BK27125.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
MC22692-3	BK27129.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22808-1, MC22808-2, MC22808-3, MC22808-4, MC22808-6

CAS No.	Compound	MC22692-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
96-12-8	1,2-Dibromo-3-chloropropane	ND		0.0677	0.060	89	0.0675	0.057	84	5	64-141/29
106-93-4	1,2-Dibromoethane	ND		0.0677	0.071	105	0.0675	0.073	108	3	63-163/27

CAS No.	Surrogate Recoveries	MS	MSD	MC22692-3	Limits
460-00-4	Bromofluorobenzene (S)	89%	87%	123%	36-173%
460-00-4	Bromofluorobenzene (S)	76%	64%	91%	36-173%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8011 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC22808-1	BK27135.D	89	95
MC22808-2	BK27136.D	51	50
MC22808-3	BK27137.D	104	99
MC22808-4	BK27139.D	121	107
MC22808-6	BK27140.D	86	73
OP34095-BS	BK27123.D	125	107
OP34095-MB	BK27122.D	138	123
OP34095-MS	BK27124.D	89	76
OP34095-MSD	BK27125.D	87	64

Surrogate Compounds	Recovery Limits
S1 = Bromofluorobenzene (S)	36-173%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27116A.D	**Injection Time:**	05:10
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27117.D	07/25/13	05:36	4.58	4.94
ZZZZZZ	BK27118.D	07/25/13	06:00	4.58	4.94
ZZZZZZ	BK27119.D	07/25/13	06:24	4.58	4.94
ZZZZZZ	BK27120.D	07/25/13	06:48	4.58	4.94
ZZZZZZ	BK27121.D	07/25/13	07:12	4.58	4.94
OP34095-MB	BK27122.D	07/25/13	07:35	4.58	4.94
OP34095-BS	BK27123.D	07/25/13	07:59	4.58	4.94
OP34095-MS	BK27124.D	07/25/13	08:23	4.58	4.94
OP34095-MSD	BK27125.D	07/25/13	08:47	4.58	4.94
ZZZZZZ	BK27126.D	07/25/13	09:11	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27127.D	**Injection Time:**	09:36
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27128.D	07/25/13	10:00	4.58	4.94
MC22692-3	BK27129.D	07/25/13	10:24	4.58	4.94
ZZZZZZ	BK27130.D	07/25/13	10:49	4.58	4.94
ZZZZZZ	BK27131.D	07/25/13	11:13	4.58	4.94
ZZZZZZ	BK27132.D	07/25/13	11:37	4.58	4.94
ZZZZZZ	BK27133.D	07/25/13	12:01	4.58	4.94
ZZZZZZ	BK27134.D	07/25/13	12:25	4.58	4.94
MC22808-1	BK27135.D	07/25/13	12:50	4.58	4.94
MC22808-2	BK27136.D	07/25/13	13:14	4.58	4.94
MC22808-3	BK27137.D	07/25/13	13:38	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22808
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27138.D	**Injection Time:**	14:02
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
MC22808-4	BK27139.D	07/25/13	14:26	4.58	4.94
MC22808-6	BK27140.D	07/25/13	14:51	4.58	4.94
ZZZZZZ	BK27141.D	07/25/13	15:15	4.58	4.94
ZZZZZZ	BK27142.D	07/25/13	15:39	4.58	4.94
ZZZZZZ	BK27143.D	07/25/13	16:04	4.58	4.94
ZZZZZZ	BK27144.D	07/25/13	16:28	4.58	4.94
ZZZZZZ	BK27145.D	07/25/13	16:52	4.58	4.94
ZZZZZZ	BK27146.D	07/25/13	17:16	4.58	4.94
GBK930-ECC929	BK27147.D	07/25/13	17:41	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana,

SGS Accutest Job Number: MC22834

Sampling Date: 07/18/13

Report to:

AECOM, INC.

Melissa.mansker@aecom.com

ATTN: Melissa Mansker

Total number of pages in report: 147

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

SGS ACCUTEST

October 25, 2016

AECOM
1001 Highlands Plaza Drive West Suite 300
St. Louis, MO 63110

RE: SGS Accutest Job # MC22834

Dear Elizabeth Kunkel

As you are aware, SGS Accutest Inc. - Marlborough has been conducting an extensive review of data associated with some historical Gas Chromatography-Mass Spectroscopy volatiles analyses. As a result of this review it was determined that some revisions of the original test report for this job were needed. These corrections have been incorporated into the revised report.

Please be assured that corrective actions have been put in place to address this matter and prevent a recurrence.

We apologize for any inconvenience that this issue may have caused. Please don't hesitate to contact us if we can be of further assistance.

Sincerely,

H. (Brad) Madadian

Regional Laboratory Director
SGS Accutest Inc. - Marlborough

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Sample Summary

Shell Oil

Job No: MC22834

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC22834-1	07/18/13	10:25	LRDM	07/19/13	AQ	Ground Water	P93B-ROX-071813
MC22834-2	07/18/13	11:10	LRDM	07/19/13	AQ	Ground Water	P93C-ROX-071813
MC22834-3	07/18/13	12:00	LRDM	07/19/13	AQ	Ground Water	P93A-ROX-071813
MC22834-4	07/18/13	14:35	LRDM	07/19/13	AQ	Ground Water	P114-ROX-071813
MC22834-5	07/18/13	14:35	LRDM	07/19/13	AQ	Ground Water	P114-ROX-071813-DUP
MC22834-6	07/18/13	00:00	LRDM	07/19/13	AQ	Trip Blank Water	TB-ROX-071813-HCL
MC22834-7	07/18/13	00:00	LRDM	07/19/13	AQ	Trip Blank Water	TB-ROX-071813-ST

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Shell Oil	**Job No**	MC22834
Site:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Centra	**Report Date**	10/25/2016 11:32:56 A

5 Sample(s), 2 Trip Blank(s) and 0 Field Blank(s) were collected on 07/18/2013 and were received at SGS Accutest New England on 07/19/2013 properly preserved, at 1.2 Deg. C and intact. These Samples received a job number of MC22834. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report. 1-Chlorohexane, Benzenethiol, Dibenz(a,h)acridine, Indene and Quinoline were searched in the library search and reported only if detections were found.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** MSK2364

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC23063-7MS, MC23063-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 2-Butanone (MEK), 2-Chloroethyl vinyl ether, Vinyl Acetate are outside control limits.
- Matrix Spike/ Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Outside control limits due to possible matrix interference.
- MC22834-4, 5 for 4-Bromofluorobenzene: Outside control limits due to possible matrix interference. Confirmed by reanalysis.
- MC22834-4, 5 for Acetone: Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

Matrix: AQ **Batch ID:** MSL3537

- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22841-37MS, MC22841-37MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Vinyl Acetate are outside control limits.
- Matrix Spike Recovery(s) for 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Acrylonitrile, Chloromethane, Ethylbenzene, Vinyl Acetate, Vinyl chloride are outside control limits. Outside control limits due to possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2-Butanone (MEK), Acetone, Acrylonitrile, Chloromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.
- Vinyl Acetate: Initial calibration verification outside acceptance limits. Sample results may be biased low.

  Acrolein: Initial calibration verification outside acceptance limits, biased high. Associated samples are non detect.
- MC22834-4,5 for 4-Bromofluorobenzene: Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP34111

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC22900-14MS, MC22900-14MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Benzoic Acid, Hexachlorocyclopentadiene are outside control limits.
- Matrix Spike/ Matrix Spike Duplicate Recovery(s) for Benzoic Acid, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ	Batch ID: OP34112

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC22900-15MS, MC22900-15MSD were used as the QC samples indicated.
- Sample(s) MC22834-2, MC22834-4 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Volatiles by GC By Method SW846 8011

Matrix: AQ	Batch ID: OP34095

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC22692-3MS, MC22692-3MSD were used as the QC samples indicated.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC22834).

Summary of Hits

Job Number: MC22834
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/18/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22834-1	P93B-ROX-071813					
Benzene		296000	500	450	ug/l	SW846 8260B
Ethylbenzene		65.2	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene		24.7	5.0	0.64	ug/l	SW846 8260B
Methyl Tert Butyl Ether		3.5	1.0	0.43	ug/l	SW846 8260B
Naphthalene		9.3	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene		35.7	5.0	0.59	ug/l	SW846 8260B
Toluene		64.6	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		25.0	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		6.9	5.0	1.1	ug/l	SW846 8260B
Vinyl Acetate [a]		17.6	5.0	1.3	ug/l	SW846 8260B
m,p-Xylene		195	1.0	0.70	ug/l	SW846 8260B
o-Xylene		41.8	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		236	1.0	0.41	ug/l	SW846 8260B
Phenol		151	5.6	0.57	ug/l	SW846 8270C
Di-n-butyl phthalate		0.50 J	5.6	0.43	ug/l	SW846 8270C
Phenanthrene		0.034 J	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22834-2	P93C-ROX-071813					
Benzene		101000	500	450	ug/l	SW846 8260B
Ethylbenzene		4.1	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene		2.0 J	5.0	0.64	ug/l	SW846 8260B
Methyl Tert Butyl Ether		4.9	1.0	0.43	ug/l	SW846 8260B
n-Propylbenzene		2.0 J	5.0	0.59	ug/l	SW846 8260B
Toluene		7.0	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1.6 J	5.0	0.47	ug/l	SW846 8260B
m,p-Xylene		7.6	1.0	0.70	ug/l	SW846 8260B
o-Xylene		1.5	1.0	0.41	ug/l	SW846 8260B
Xylene (total)		9.1	1.0	0.41	ug/l	SW846 8260B
Phenol		35.2	5.6	0.58	ug/l	SW846 8270C
Acenaphthene		0.045 JB	0.11	0.015	ug/l	SW846 8270C BY SIM
Anthracene		0.021 J	0.11	0.020	ug/l	SW846 8270C BY SIM
Benzo(a)pyrene		0.15	0.11	0.020	ug/l	SW846 8270C BY SIM
Phenanthrene		0.026 J	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22834-3	P93A-ROX-071813					
Acetone		5.3 J	10	2.8	ug/l	SW846 8260B
Benzene		89100	500	450	ug/l	SW846 8260B
sec-Butylbenzene		5.6	5.0	0.58	ug/l	SW846 8260B
tert-Butylbenzene		91.6	5.0	0.87	ug/l	SW846 8260B
Ethylbenzene		162	1.0	0.38	ug/l	SW846 8260B
Isopropylbenzene		10.1	5.0	0.64	ug/l	SW846 8260B

Summary of Hits

Job Number: MC22834
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/18/13

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
p-Isopropyltoluene	2.4 J	5.0	0.55	ug/l	SW846 8260B
Methyl Tert Butyl Ether	5.4	1.0	0.43	ug/l	SW846 8260B
Naphthalene	30.3	5.0	0.79	ug/l	SW846 8260B
n-Propylbenzene	11.3	5.0	0.59	ug/l	SW846 8260B
Toluene	7.2	1.0	0.46	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	91.5	5.0	0.47	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	11.6	5.0	1.1	ug/l	SW846 8260B
m,p-Xylene	273	1.0	0.70	ug/l	SW846 8260B
o-Xylene	42.6	1.0	0.41	ug/l	SW846 8260B
Xylene (total)	316	1.0	0.41	ug/l	SW846 8260B
Phenol	107	5.6	0.58	ug/l	SW846 8270C
Dibenzofuran	0.24 J	2.2	0.18	ug/l	SW846 8270C
Acenaphthylene	0.032 J	0.11	0.015	ug/l	SW846 8270C BY SIM
Anthracene	0.030 J	0.11	0.020	ug/l	SW846 8270C BY SIM
Fluorene	0.23	0.11	0.052	ug/l	SW846 8270C BY SIM
1-Methylnaphthalene	8.9	0.22	0.16	ug/l	SW846 8270C BY SIM
2-Methylnaphthalene	6.2	0.22	0.058	ug/l	SW846 8270C BY SIM
Phenanthrene	0.21	0.056	0.014	ug/l	SW846 8270C BY SIM
MC22834-4 P114-ROX-071813					
Acetone [b]	251	10	2.8	ug/l	SW846 8260B
Methyl Tert Butyl Ether	2.3	1.0	0.43	ug/l	SW846 8260B
Acenaphthene	0.13 B	0.11	0.015	ug/l	SW846 8270C BY SIM
Anthracene	0.11	0.11	0.019	ug/l	SW846 8270C BY SIM
Benzo(a)anthracene	0.045 J	0.055	0.033	ug/l	SW846 8270C BY SIM
Benzo(a)pyrene	0.034 J	0.11	0.019	ug/l	SW846 8270C BY SIM
Benzo(b)fluoranthene	0.064	0.055	0.026	ug/l	SW846 8270C BY SIM
Benzo(g,h,i)perylene	0.067 J	0.11	0.041	ug/l	SW846 8270C BY SIM
Dibenzo(a,h)anthracene	0.073 J	0.11	0.046	ug/l	SW846 8270C BY SIM
Indeno(1,2,3-cd)pyrene	0.071 J	0.11	0.051	ug/l	SW846 8270C BY SIM
Phenanthrene	0.059	0.055	0.014	ug/l	SW846 8270C BY SIM
MC22834-5 P114-ROX-071813-DUP					
Acetone [b]	245	10	2.8	ug/l	SW846 8260B
Methyl Tert Butyl Ether	2.2	1.0	0.43	ug/l	SW846 8260B
Anthracene	0.13	0.11	0.019	ug/l	SW846 8270C BY SIM
Phenanthrene	0.052 J	0.053	0.013	ug/l	SW846 8270C BY SIM
MC22834-6 TB-ROX-071813-HCL					
No hits reported in this sample.					

Summary of Hits

Job Number: MC22834
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 07/18/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC22834-7	TB-ROX-071813-ST					

No hits reported in this sample.

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76157.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72609.D	1000	07/30/13	GK	n/a	n/a	MSK2364

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	296000 [a]	500	450	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [a]	5000	1100	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	65.2	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	24.7	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.5	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	9.3	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	35.7	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	64.6	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	25.0	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	6.9	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [b]	17.6	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	195	1.0	0.70	ug/l	
95-47-6	o-Xylene	41.8	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	236	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	80%	111%	70-130%
2037-26-5	Toluene-D8	113%	100%	70-130%
460-00-4	4-Bromofluorobenzene	100%	94%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32544.D	1	07/31/13	KR	07/24/13	OP34111	MSR1186
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	0.43	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.55	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.3	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.65	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	151	5.6	0.57	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.64	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.71	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.64	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.75	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	0.50	5.6	0.43	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.6	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.90	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.60	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		15-110%
4165-62-2	Phenol-d5	23%		15-110%
118-79-6	2,4,6-Tribromophenol	99%		15-110%
4165-60-0	Nitrobenzene-d5	87%		30-130%
321-60-8	2-Fluorobiphenyl	103%		30-130%
1718-51-0	Terphenyl-d14	95%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14192.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	ND	0.11	0.020	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.056	0.033	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.065	ug/l	
218-01-9	Chrysene	ND	0.11	0.081	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.046	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.051	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.034	0.056	0.014	ug/l	J
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	97%		30-130%
321-60-8	2-Fluorobiphenyl	97%		30-130%
1718-51-0	Terphenyl-d14	95%		30-130%

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E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93B-ROX-071813		
Lab Sample ID:	MC22834-1	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27141.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	108%		36-173%
460-00-4	Bromofluorobenzene (S)	110%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76158.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72610.D	1000	07/30/13	GK	n/a	n/a	MSK2364

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	101000 [a]	500	450	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [a]	5000	1100	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	4.1	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	2.0	5.0	0.64	ug/l	J
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.9	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	2.0	5.0	0.59	ug/l	J
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	7.0	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.6	5.0	0.47	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [b]	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	7.6	1.0	0.70	ug/l	
95-47-6	o-Xylene	1.5	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	9.1	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	77%	112%	70-130%
2037-26-5	Toluene-D8	97%	98%	70-130%
460-00-4	4-Bromofluorobenzene	104%	93%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32545.D	1	07/31/13	KR	07/24/13	OP34111	MSR1186
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	0.43	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.55	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.3	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.66	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	35.2	5.6	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.64	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.36	ug/l	
62-53-3	Aniline	ND	11	0.72	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.96	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.65	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.24	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.73	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.76	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.72	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.18	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.6	0.44	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.6	0.49	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.55	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.9	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.91	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.61	ug/l	
110-86-1	Pyridine	ND	11	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		15-110%
4165-62-2	Phenol-d5	18%		15-110%
118-79-6	2,4,6-Tribromophenol	89%		15-110%
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	93%		30-130%
1718-51-0	Terphenyl-d14	85%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14193.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.045	0.11	0.015	ug/l	JB
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	0.021	0.11	0.020	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.056	0.034	ug/l	
50-32-8	Benzo(a)pyrene	0.15	0.11	0.020	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.027	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.066	ug/l	
218-01-9	Chrysene	ND	0.11	0.082	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.047	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.037	ug/l	
86-73-7	Fluorene	ND	0.11	0.052	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.052	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.026	0.056	0.014	ug/l	J
129-00-0	Pyrene	ND	0.11	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		30-130%
321-60-8	2-Fluorobiphenyl	87%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-071813		
Lab Sample ID:	MC22834-2	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27142.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	120%		36-173%
460-00-4	Bromofluorobenzene (S)	93%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L76159.D	1	07/30/13	KR	n/a	n/a	MSL3537
Run #2	K72611.D	1000	07/30/13	GK	n/a	n/a	MSK2364

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.3	10	2.8	ug/l	J
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	89100 [a]	500	450	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	5.6	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	91.6	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND [a]	5000	1100	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	162	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	10.1	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	2.4	5.0	0.55	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	5.4	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	30.3	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	11.3	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	7.2	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	91.5	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	11.6	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate [b]	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	273	1.0	0.70	ug/l	
95-47-6	o-Xylene	42.6	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	316	1.0	0.41	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	77%	111%	70-130%
2037-26-5	Toluene-D8	96%	98%	70-130%
460-00-4	4-Bromofluorobenzene	102%	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2
(b) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32546.D	1	07/31/13	KR	07/24/13	OP34111	MSR1186
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	0.43	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.55	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.37	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.3	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.56	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.66	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	107	5.6	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.64	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.36	ug/l	
62-53-3	Aniline	ND	11	0.72	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	0.23	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	0.96	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.65	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	0.24	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	0.26	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	0.73	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.76	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.72	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.56	ug/l	
132-64-9	Dibenzofuran	0.24	2.2	0.18	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	5.6	0.44	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.6	0.49	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.6	0.56	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	0.56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.55	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.8	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.49	ug/l	
78-59-1	Isophorone	ND	5.6	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.56	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.9	ug/l	
98-95-3	Nitrobenzene	ND	5.6	0.28	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.6	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	0.91	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.61	ug/l	
110-86-1	Pyridine	ND	11	0.58	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		15-110%
4165-62-2	Phenol-d5	23%		15-110%
118-79-6	2,4,6-Tribromophenol	96%		15-110%
4165-60-0	Nitrobenzene-d5	78%		30-130%
321-60-8	2-Fluorobiphenyl	93%		30-130%
1718-51-0	Terphenyl-d14	82%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14194.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.015	ug/l	
208-96-8	Acenaphthylene	0.032	0.11	0.015	ug/l	J
120-12-7	Anthracene	0.030	0.11	0.020	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.056	0.034	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.020	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.056	0.027	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.042	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.066	ug/l	
218-01-9	Chrysene	ND	0.11	0.082	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.047	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.037	ug/l	
86-73-7	Fluorene	0.23	0.11	0.052	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.052	ug/l	
90-12-0	1-Methylnaphthalene	8.9	0.22	0.16	ug/l	
91-57-6	2-Methylnaphthalene	6.2	0.22	0.058	ug/l	
85-01-8	Phenanthrene	0.21	0.056	0.014	ug/l	
129-00-0	Pyrene	ND	0.11	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		30-130%
321-60-8	2-Fluorobiphenyl	84%		30-130%
1718-51-0	Terphenyl-d14	83%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93A-ROX-071813		
Lab Sample ID:	MC22834-3	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27143.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	35.2 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	133%		36-173%
460-00-4	Bromofluorobenzene (S)	118%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72612.D	1	07/30/13	GK	n/a	n/a	MSK2364
Run #2	L76150.D	1	07/30/13	KR	n/a	n/a	MSL3537

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	251	10	2.8	ug/l	
107-02-8	Acrolein	ND [b]	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.3	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	86%	70-130%
2037-26-5	Toluene-D8	97%	91%	70-130%
460-00-4	4-Bromofluorobenzene	138% [c]	147% [c]	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(b) Result is from Run# 2
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32547.D	1	07/31/13	KR	07/24/13	OP34111	MSR1186
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.4	ug/l	
95-57-8	2-Chlorophenol	ND	5.5	0.42	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.54	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.36	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.55	ug/l	
100-02-7	4-Nitrophenol	ND	22	0.64	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.4	ug/l	
108-95-2	Phenol	ND	5.5	0.56	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.63	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.35	ug/l	
62-53-3	Aniline	ND	11	0.70	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.5	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.5	0.94	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.63	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.5	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.5	0.23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.5	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.5	0.15	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.5	0.22	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.5	0.72	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.74	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.71	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.5	0.55	ug/l	
132-64-9	Dibenzofuran	ND	2.2	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.5	0.43	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.5	0.48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.5	0.55	ug/l	
131-11-3	Dimethyl phthalate	ND	5.5	0.55	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.54	ug/l	
118-74-1	Hexachlorobenzene	ND	5.5	0.33	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.5	0.48	ug/l	
78-59-1	Isophorone	ND	5.5	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.31	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.55	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.8	ug/l	
98-95-3	Nitrobenzene	ND	5.5	0.27	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.5	0.55	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.5	0.89	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.59	ug/l	
110-86-1	Pyridine	ND	11	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		15-110%
4165-62-2	Phenol-d5	17%		15-110%
118-79-6	2,4,6-Tribromophenol	87%		15-110%
4165-60-0	Nitrobenzene-d5	72%		30-130%
321-60-8	2-Fluorobiphenyl	84%		30-130%
1718-51-0	Terphenyl-d14	79%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14195.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.13	0.11	0.015	ug/l	B
208-96-8	Acenaphthylene	ND	0.11	0.015	ug/l	
120-12-7	Anthracene	0.11	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	0.045	0.055	0.033	ug/l	J
50-32-8	Benzo(a)pyrene	0.034	0.11	0.019	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.064	0.055	0.026	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.067	0.11	0.041	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.064	ug/l	
218-01-9	Chrysene	ND	0.11	0.080	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.073	0.11	0.046	ug/l	J
206-44-0	Fluoranthene	ND	0.11	0.036	ug/l	
86-73-7	Fluorene	ND	0.11	0.051	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.071	0.11	0.051	ug/l	J
90-12-0	1-Methylnaphthalene	ND	0.22	0.15	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	0.057	ug/l	
85-01-8	Phenanthrene	0.059	0.055	0.014	ug/l	
129-00-0	Pyrene	ND	0.11	0.039	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		30-130%
321-60-8	2-Fluorobiphenyl	80%		30-130%
1718-51-0	Terphenyl-d14	81%		30-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813		
Lab Sample ID:	MC22834-4	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27144.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	37.3 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0091	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	88%		36-173%
460-00-4	Bromofluorobenzene (S)	58%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72613.D	1	07/30/13	GK	n/a	n/a	MSK2364
Run #2	L76151.D	1	07/30/13	KR	n/a	n/a	MSL3537

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	245	10	2.8	ug/l	
107-02-8	Acrolein	ND [b]	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.2	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	85%	70-130%
2037-26-5	Toluene-D8	98%	92%	70-130%
460-00-4	4-Bromofluorobenzene	138% c	148% c	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased high.
(b) Result is from Run# 2
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R32550.D	1	07/31/13	KR	07/24/13	OP34111	MSR1186
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	11	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.3	0.41	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	0.52	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	0.35	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	2.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	1.3	ug/l	
95-48-7	2-Methylphenol	ND	11	1.4	ug/l	
	3&4-Methylphenol	ND	11	2.2	ug/l	
88-75-5	2-Nitrophenol	ND	11	0.53	ug/l	
100-02-7	4-Nitrophenol	ND	21	0.62	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.3	ug/l	
108-95-2	Phenol	ND	5.3	0.54	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	0.61	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	0.34	ug/l	
62-53-3	Aniline	ND	11	0.68	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	0.22	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.3	0.91	ug/l	
100-51-6	Benzyl Alcohol	ND	11	0.61	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	11	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	0.22	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	0.14	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	0.21	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	0.69	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	0.72	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	0.68	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.53	ug/l	
132-64-9	Dibenzofuran	ND	2.1	0.17	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	0.41	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	0.46	ug/l	

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Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
84-66-2	Diethyl phthalate	ND	5.3	0.53	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	0.53	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.52	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	0.32	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.7	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.47	ug/l	
78-59-1	Isophorone	ND	5.3	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	11	0.30	ug/l	
99-09-2	3-Nitroaniline	ND	11	0.53	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.6	ug/l	
98-95-3	Nitrobenzene	ND	5.3	0.26	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	0.53	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	0.86	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.58	ug/l	
110-86-1	Pyridine	ND	11	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		15-110%
4165-62-2	Phenol-d5	20%		15-110%
118-79-6	2,4,6-Tribromophenol	96%		15-110%
4165-60-0	Nitrobenzene-d5	77%		30-130%
321-60-8	2-Fluorobiphenyl	93%		30-130%
1718-51-0	Terphenyl-d14	86%		30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W14196.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

BN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.11	0.014	ug/l	
208-96-8	Acenaphthylene	ND	0.11	0.014	ug/l	
120-12-7	Anthracene	0.13	0.11	0.019	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	0.032	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	0.019	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	0.025	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	0.062	ug/l	
218-01-9	Chrysene	ND	0.11	0.077	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	0.044	ug/l	
206-44-0	Fluoranthene	ND	0.11	0.035	ug/l	
86-73-7	Fluorene	ND	0.11	0.049	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	0.049	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.21	0.15	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.21	0.055	ug/l	
85-01-8	Phenanthrene	0.052	0.053	0.013	ug/l	J
129-00-0	Pyrene	ND	0.11	0.038	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		30-130%
321-60-8	2-Fluorobiphenyl	85%		30-130%
1718-51-0	Terphenyl-d14	88%		30-130%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P114-ROX-071813-DUP		
Lab Sample ID:	MC22834-5	**Date Sampled:**	07/18/13
Matrix:	AQ - Ground Water	**Date Received:**	07/19/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27146.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0043	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	91%		36-173%
460-00-4	Bromofluorobenzene (S)	56%		36-173%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071813-HCL		
Lab Sample ID:	MC22834-6	**Date Sampled:**	07/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K72598.D	1	07/30/13	GK	n/a	n/a	MSK2364
Run #2	L76146.D	1	07/30/13	KR	n/a	n/a	MSL3537

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND [a]	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071813-HCL		
Lab Sample ID:	MC22834-6	**Date Sampled:**	07/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071813-HCL		
Lab Sample ID:	MC22834-6	**Date Sampled:**	07/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/19/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	86%	70-130%
2037-26-5	Toluene-D8	96%	91%	70-130%
460-00-4	4-Bromofluorobenzene	93%	107%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-071813-ST		
Lab Sample ID:	MC22834-7	**Date Sampled:**	07/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/19/13
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK27145.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
Run #2							

	Initial Volume	Final Volume
Run #1	36.3 ml	2.0 ml
Run #2		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.014	0.0044	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.014	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	74%		36-173%
460-00-4	Bromofluorobenzene (S)	65%		36-173%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

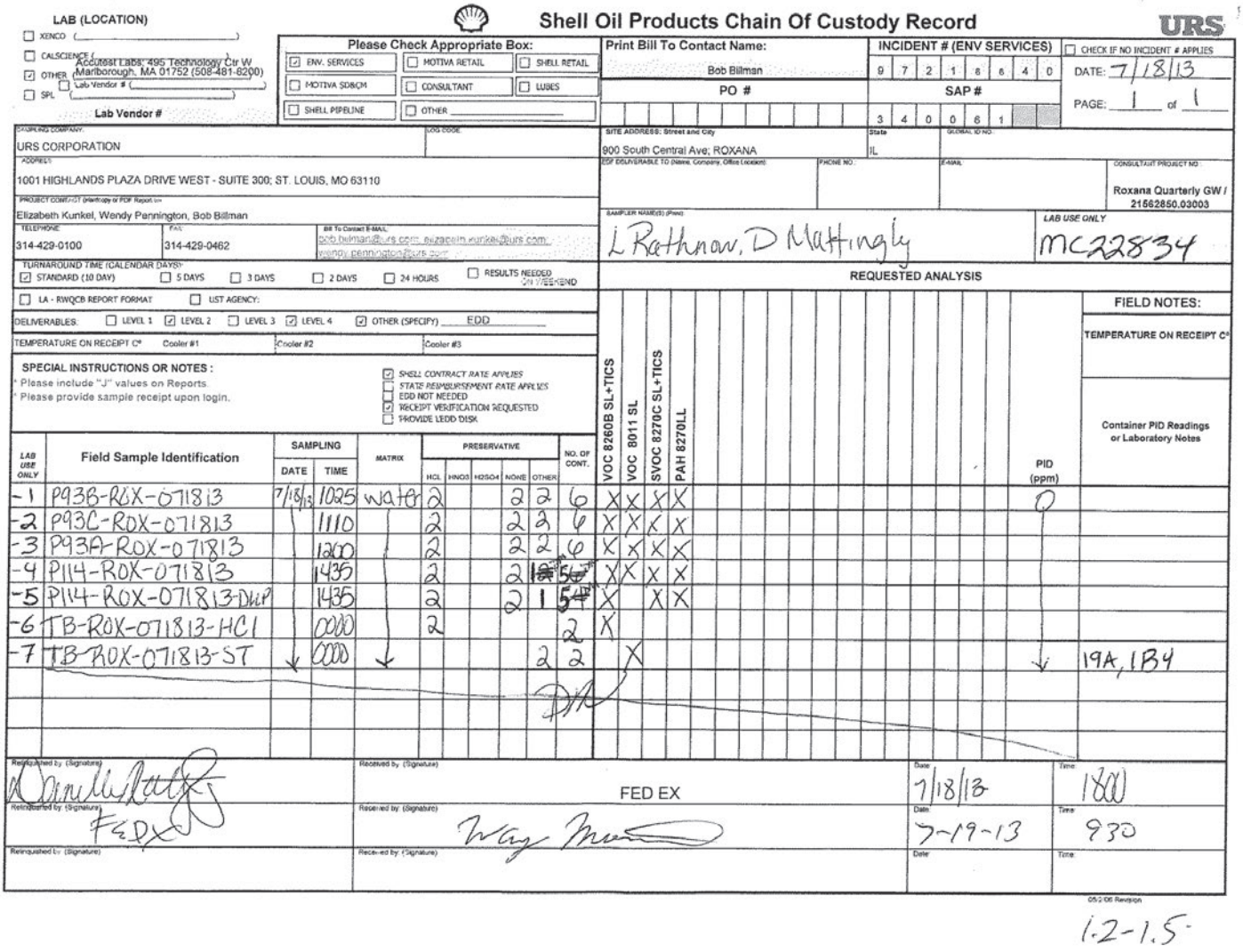
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- REPROC Form: Reprocessed/Corrected Data
- Sample Tracking Chronicle
- Internal Chain of Custody



Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)
☐ XENCO (_____)
☐ CALSCIENCE (_____)
☑ OTHER (Accutest Labs, 495 Technology Ctr W Marlborough, MA 01752 (508-481-6200))
☐ SPL (_____)
Lab Vendor #

Please Check Appropriate Box:
☑ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☐ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name: Bob Billman
PO #
INCIDENT # (ENV SERVICES): 9 7 2 1 8 6 4 0
SAP #: 3 4 0 0 6 1
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 7/18/13
PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION
LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@urs.com; elizabeth.kunkel@urs.com; wendy.pennington@urs.com
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
GLOBAL ID NO.:
EDF DELIVERABLE TO (Name, Company, Office Location):
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO.: Roxana Quarterly GW / 21562850.03003
SAMPLER NAME(S) (Print): L Rathnow, D Mattingly
LAB USE ONLY: MC22834

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:
DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD
TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports.
* Please provide sample receipt upon login.

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	SVOC 8270C SL+TICS	PAH 8270LL	PID (ppm)	Container PID Readings or Laboratory Notes
-1	P93B-ROX-071813	7/18/13	1025	water	2			2	2	6	X	X	X	X	0	
-2	P93C-ROX-071813		1110		2			2	2	6	X	X	X	X		
-3	P93A-ROX-071813		1200		2			2	2	6	X	X	X	X		
-4	P114-ROX-071813		1435		2			2	~~1~~ 5	~~6~~ 5	X	X	X	X		
-5	P114-ROX-071813-DUP		1435		2			2	1	5	X		X	X		
-6	TB-ROX-071813-HCl		0000		2					2	X					
-7	TB-ROX-071813-ST		0000						2	2		X				19A, 1B4

FIELD NOTES:
TEMPERATURE ON RECEIPT C°:
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	FED EX	7/18/13	1800
FedEx	[signature]	7-19-13	930

05/2/06 Revision

1.2-1.5

MC22834: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC22834 **Client:** URS **Immediate Client Services Action Required:** No

Date / Time Received: 7/19/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 900 SOUTH CENTRAL **No. Coolers:** 2 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC22834: Chain of Custody
Page 2 of 2

Initial Calibration Summary

Job Number: MC22834 **Sample:** MSL3534-ICC3534
Account: SHELLWIC Shell Oil **Lab FileID:** L76082.D
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Response Factor Report MSL

Method : O:\msl\1\methods\l130729wx.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

Calibration Files
0.5 =l76076.d 2 =l76078.d 5 =l76079.d 50 =l76082.d
10 =l76080.d 200 =l76084.d 400 =l76085.d 25 =l76081.d
1 =l76077.d 100 =l76083.d = =

Compound

	0.5	2	5	50	10	200	400	25	1	100	Avg	%RSD
1) I 1,4-difluorobenzene	----------ISTD----------											
2) 1,2-dichloroethane	0.484	0.511	0.487	0.538	0.533	0.495	0.489	0.436	0.505	0.498		6.07

(#) = Out of Range ### Number of calibration levels exceeded format ###

l130729wx.m Mon Oct 19 11:51:51 2015

Initial Calibration Verification

Job Number: MC22834 **Sample:** MSL3534-ICV3534
Account: SHELLWIC Shell Oil **Lab FileID:** L76088.D
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Evaluate Continuing Calibration Report

Data File : O:\msl\1\data backup\l130726\l76088.d Vial: 16
Acq On : 27 Jul 2013 1:09 am Operator: kerryr
Sample : icv3534-50 Inst : MSL
Misc : ms29503,msl3534,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : O:\msl\1\methods\l130729wx.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 19 11:51:04 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	8.89
2 M	1,2-dichloroethane	0.498	0.496	0.4	104	0.00	8.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
l76082.d l130729wx.m Mon Oct 19 11:51:57 2015

Continuing Calibration Summary

Job Number: MC22834 **Sample:** MSL3537-CC3534
Account: SHELLWIC Shell Oil **Lab FileID:** L76141.D
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Evaluate Continuing Calibration Report

Data File : O:\msl\1\data backup\l130730\l76141.d Vial: 1
Acq On : 30 Jul 2013 8:33 am Operator: kerryr
Sample : cc3534-50 Inst : MSL
Misc : ms29537,msl3537,,,,5,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : O:\msl\1\methods\l130729wx.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon Oct 19 11:51:04 2015
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	8.89
2	M	1,2-dichloroethane	0.498	0.442	11.2	93	0.00	8.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
l76082.d l130729wx.m Tue Oct 20 16:42:32 2015

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76076.d
Acq On : 26 Jul 2013 7:18 pm
Operator : kerryr
Sample : ic3534-0.5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 11:47:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

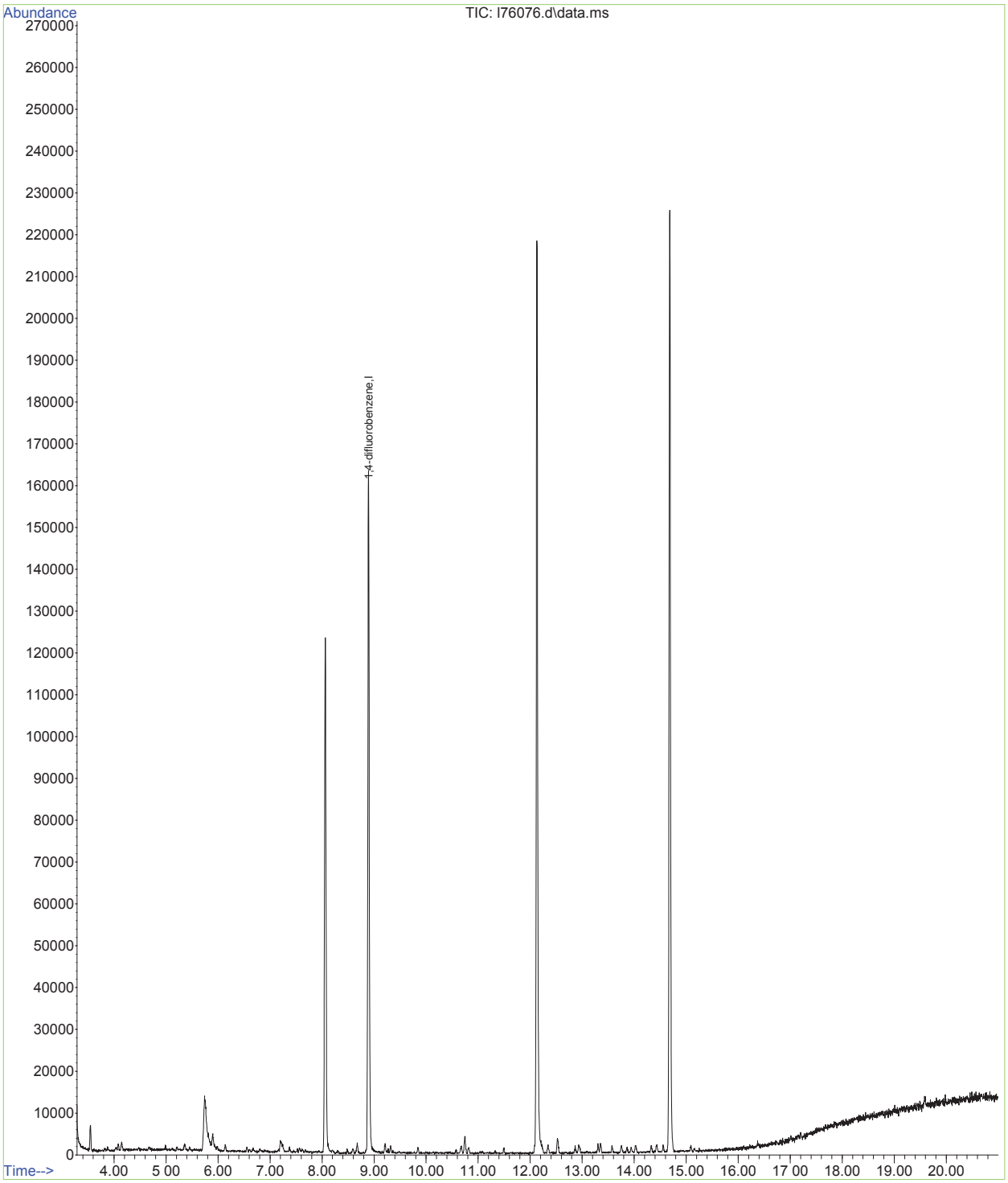
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.898	114	135854	50.00	ug/L	0.00

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76076.d
Acq On : 26 Jul 2013 7:18 pm
Operator : kerryr
Sample : ic3534-0.5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 11:47:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76077.d
Acq On : 26 Jul 2013 7:46 pm
Operator : kerryr
Sample : ic3534-1
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

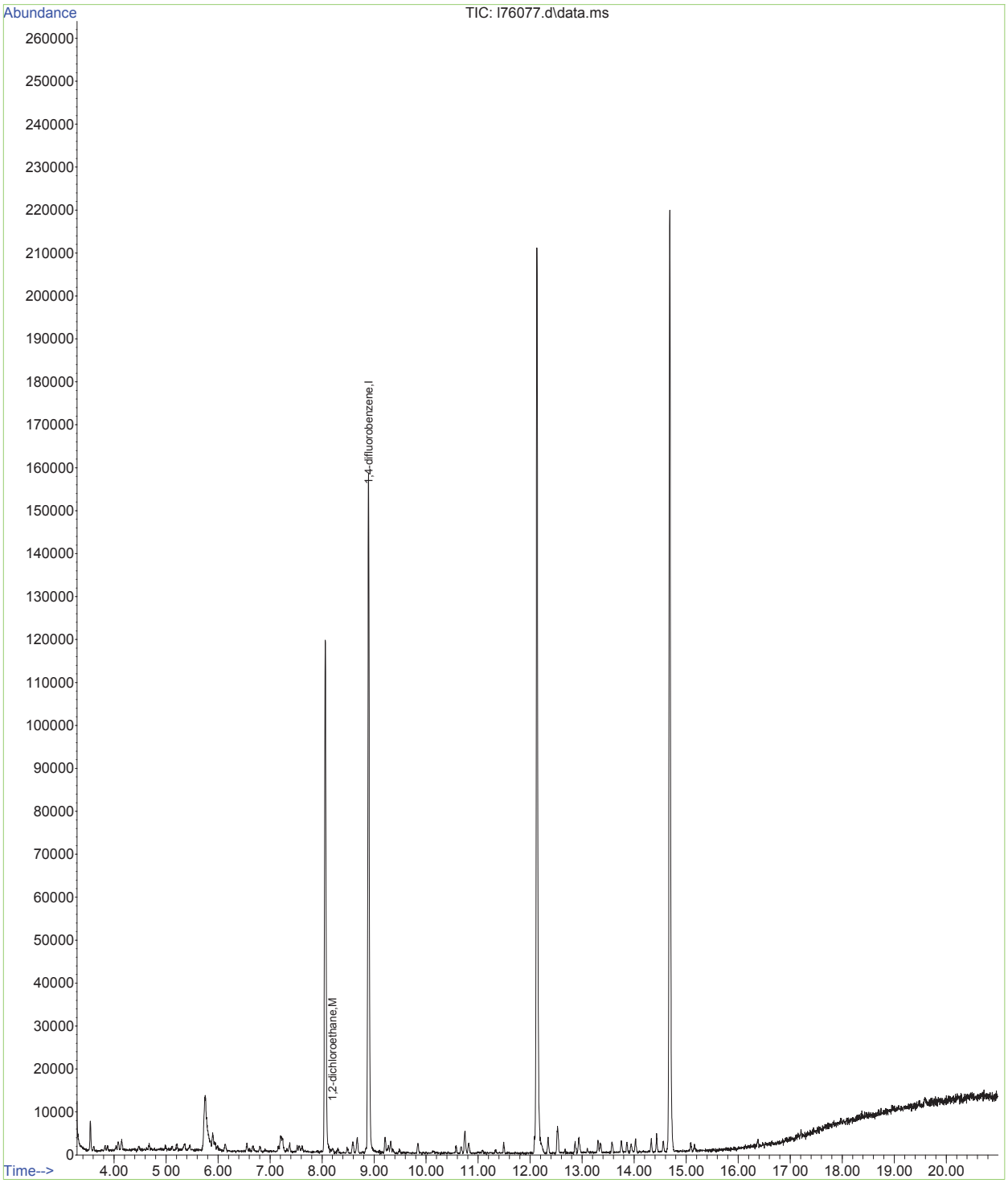
Quant Time: Oct 19 11:45:44 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.898	114	130372	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.202	62	1136	0.89	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76077.d
Acq On : 26 Jul 2013 7:46 pm
Operator : kerryr
Sample : ic3534-1
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 19 11:45:44 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76078.d
Acq On : 26 Jul 2013 8:15 pm
Operator : kerryr
Sample : ic3534-2
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

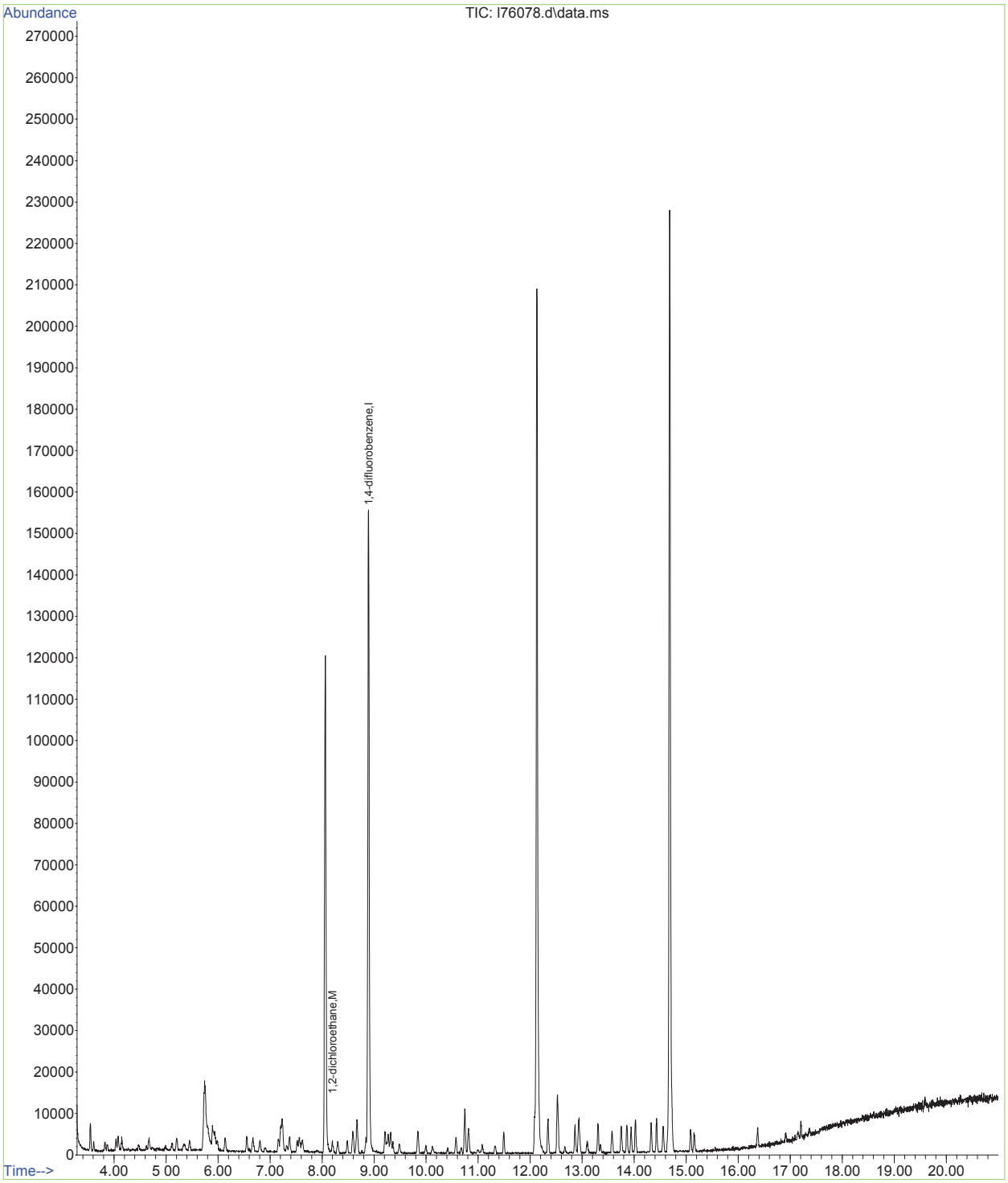
Quant Time: Oct 19 11:45:46 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.896	114	129092	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.202	62	2500	1.99	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76078.d
Acq On : 26 Jul 2013 8:15 pm
Operator : kerryr
Sample : ic3534-2
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 19 11:45:46 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76079.d
Acq On : 26 Jul 2013 8:45 pm
Operator : kerryr
Sample : ic3534-5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 11:45:48 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

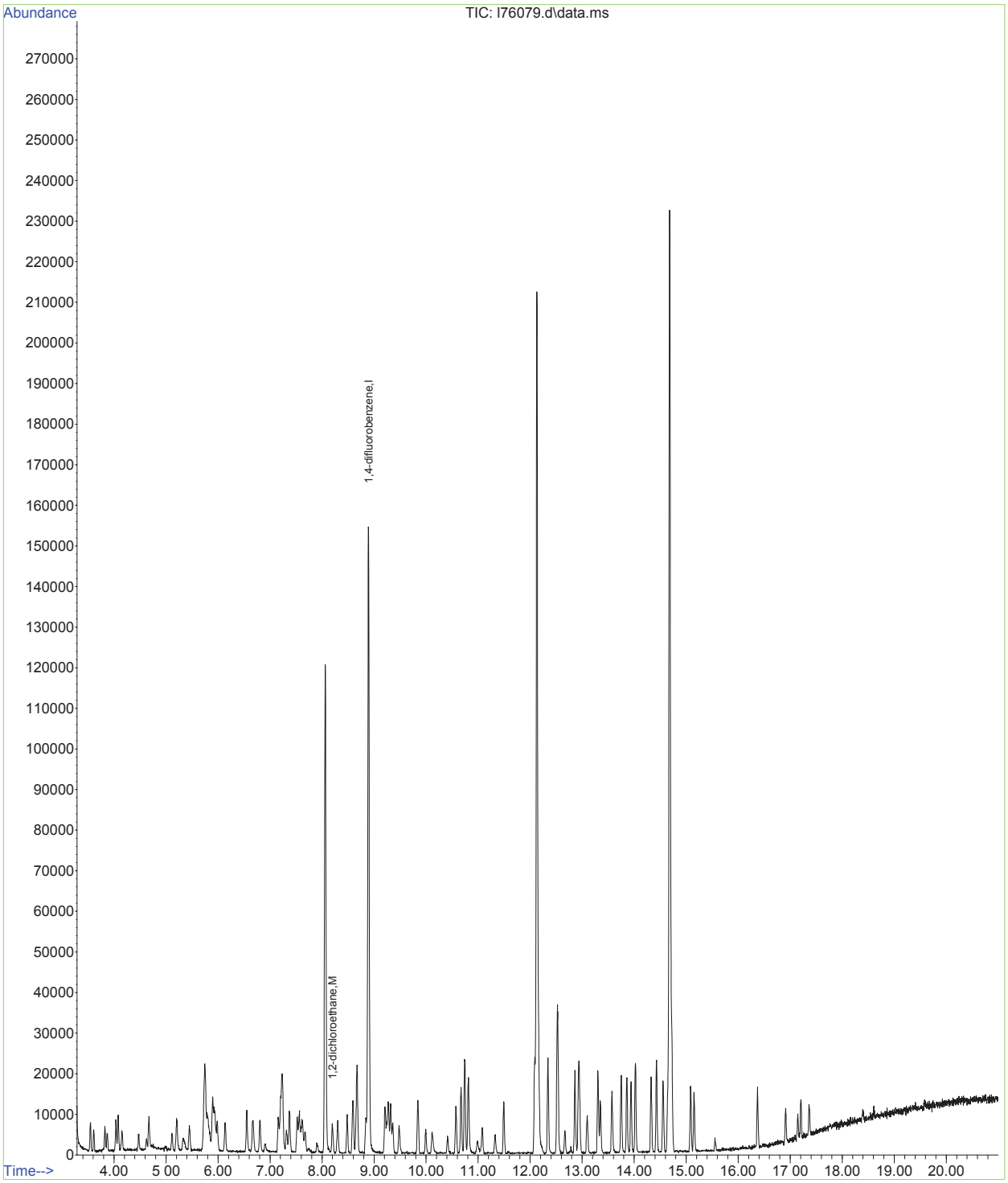
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.895	114	126971	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.201	62	6483	5.24	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76079.d
Acq On : 26 Jul 2013 8:45 pm
Operator : kerryr
Sample : ic3534-5
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 11:45:48 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



l130729wx.m Mon Oct 19 11:48:48 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76080.d
Acq On : 26 Jul 2013 9:14 pm
Operator : kerryr
Sample : ic3534-10
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

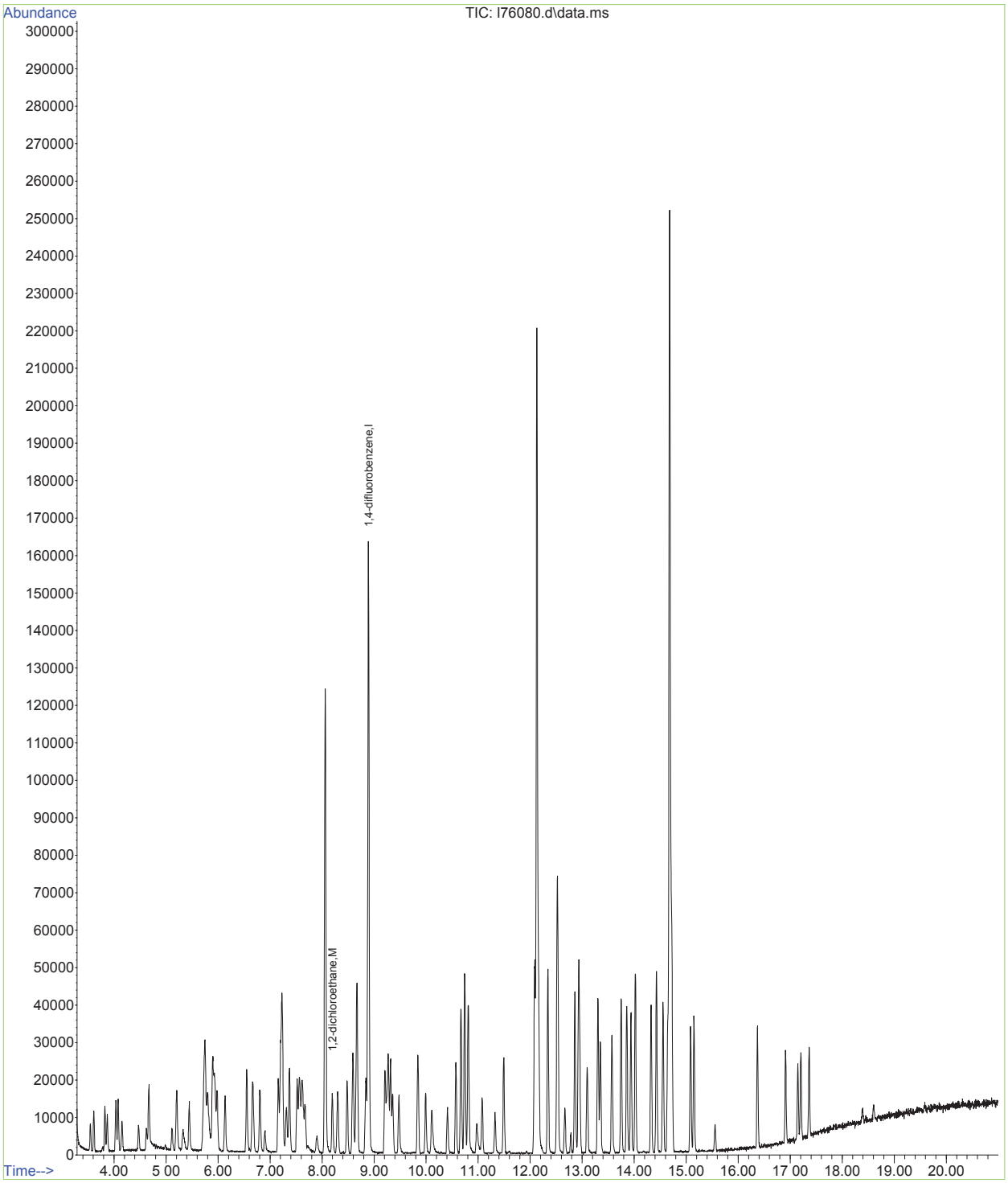
Quant Time: Oct 19 11:45:50 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.894	114	130643	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.200	62	14059	11.03	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76080.d
Acq On : 26 Jul 2013 9:14 pm
Operator : kerryr
Sample : ic3534-10
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 19 11:45:50 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76081.d
Acq On : 26 Jul 2013 9:44 pm
Operator : kerryr
Sample : ic3534-25
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

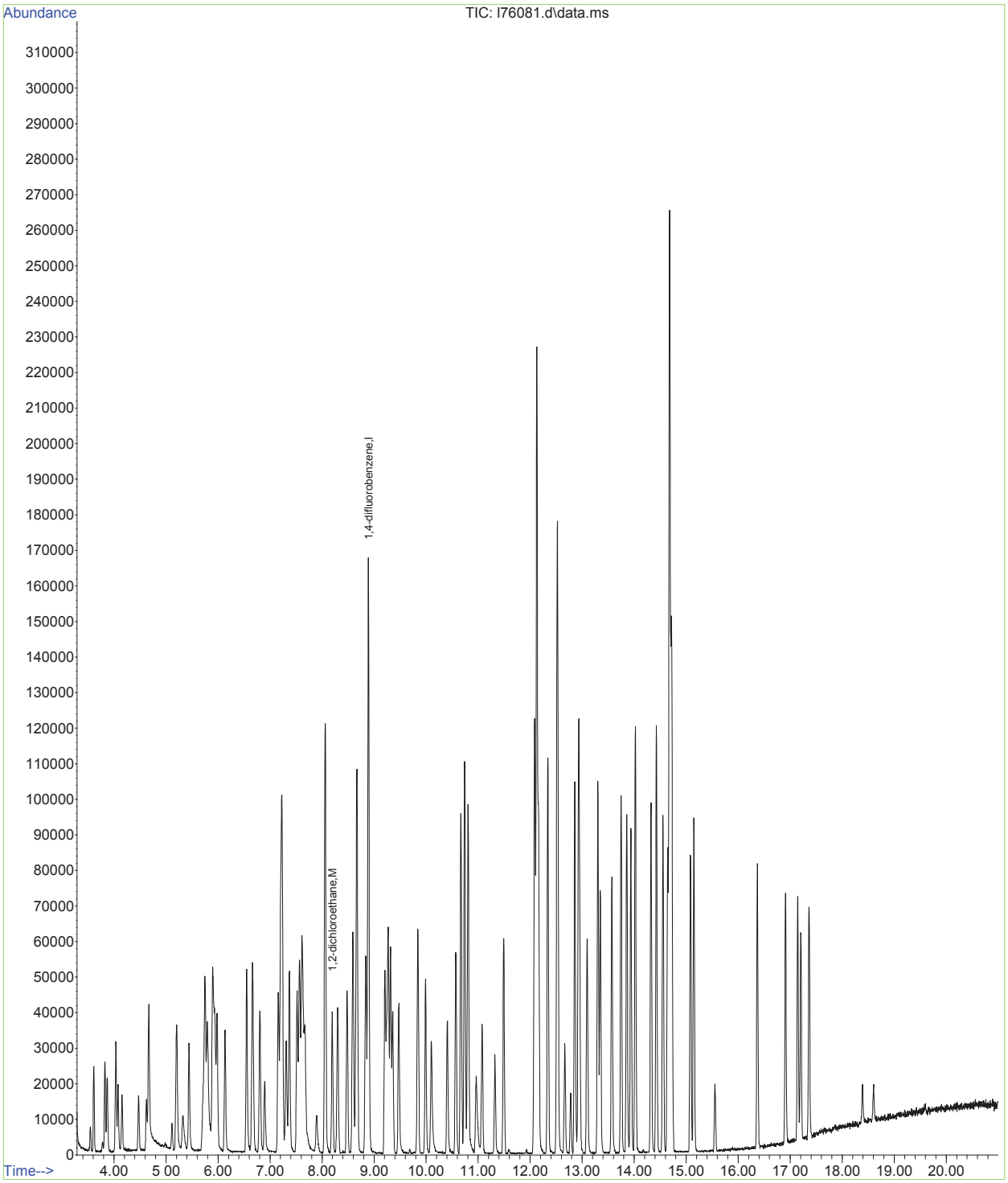
Quant Time: Oct 19 11:45:52 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	131826	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	32253	25.09	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76081.d
Acq On : 26 Jul 2013 9:44 pm
Operator : kerryr
Sample : ic3534-25
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 11:45:52 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76082.d
Acq On : 26 Jul 2013 10:13 pm
Operator : kerryr
Sample : icc3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

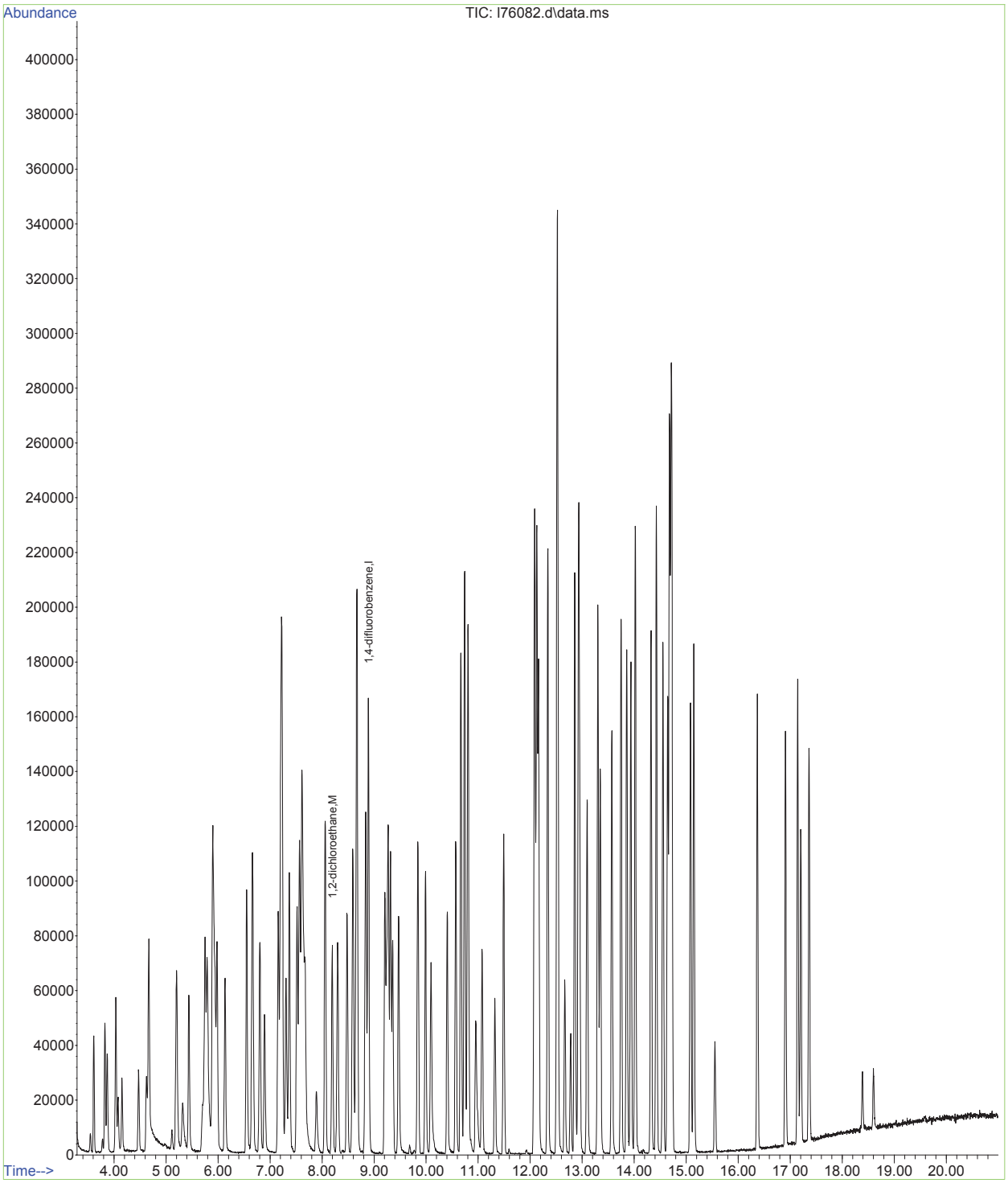
Quant Time: Oct 19 11:45:54 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	129809	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.197	62	63250	49.96	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76082.d
Acq On : 26 Jul 2013 10:13 pm
Operator : kerryr
Sample : icc3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 11:45:54 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76083.d
Acq On : 26 Jul 2013 10:43 pm
Operator : kerryr
Sample : ic3534-100
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

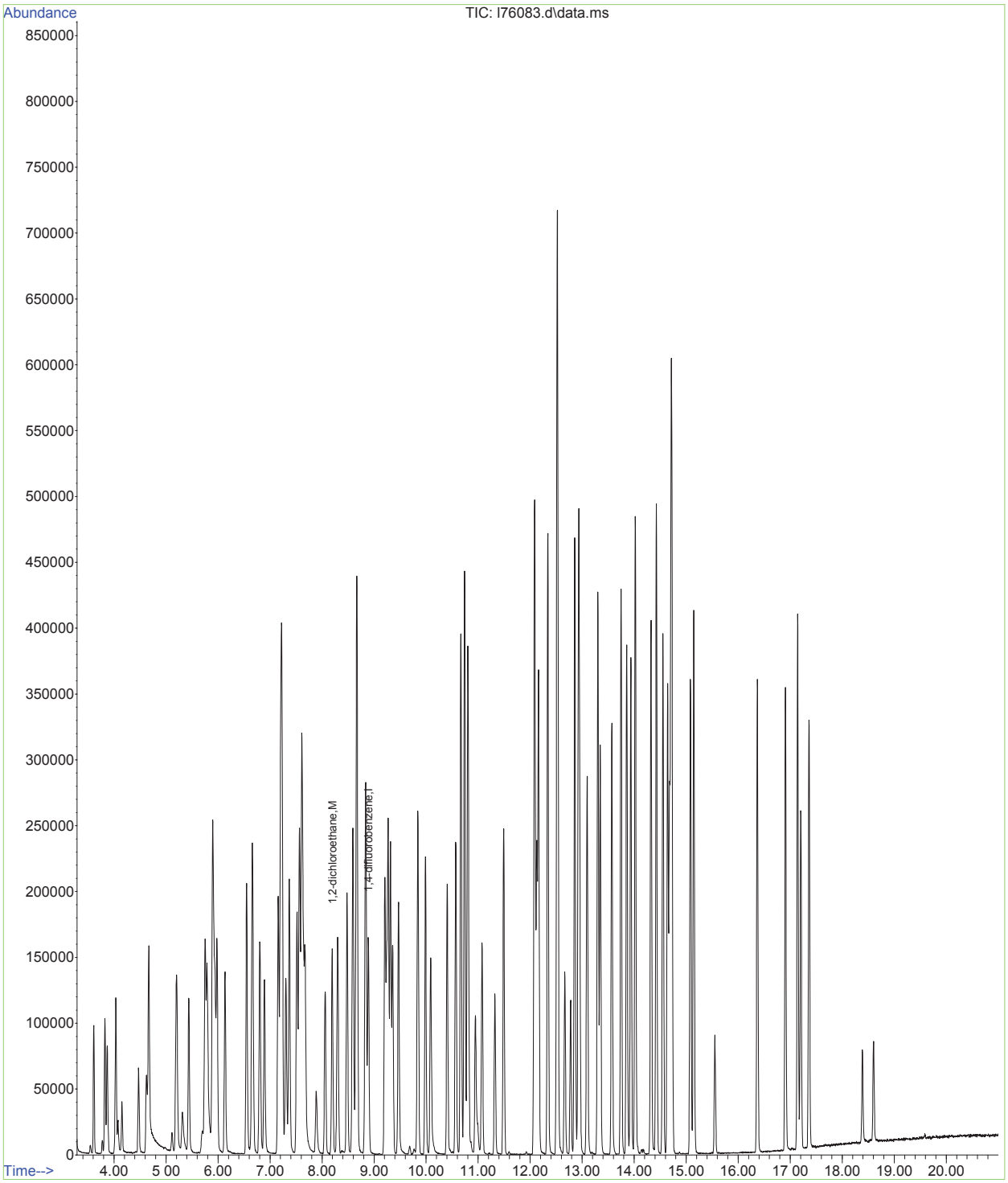
Quant Time: Oct 19 11:45:56 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.891	114	128337	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.196	62	129642	103.58	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76083.d
Acq On : 26 Jul 2013 10:43 pm
Operator : kerryr
Sample : ic3534-100
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 11:45:56 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Data Path : O:\msl\1\data backup\l130726\
Data File : l76084.d
Acq On : 26 Jul 2013 11:12 pm
Operator : kerryr
Sample : ic3534-200
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

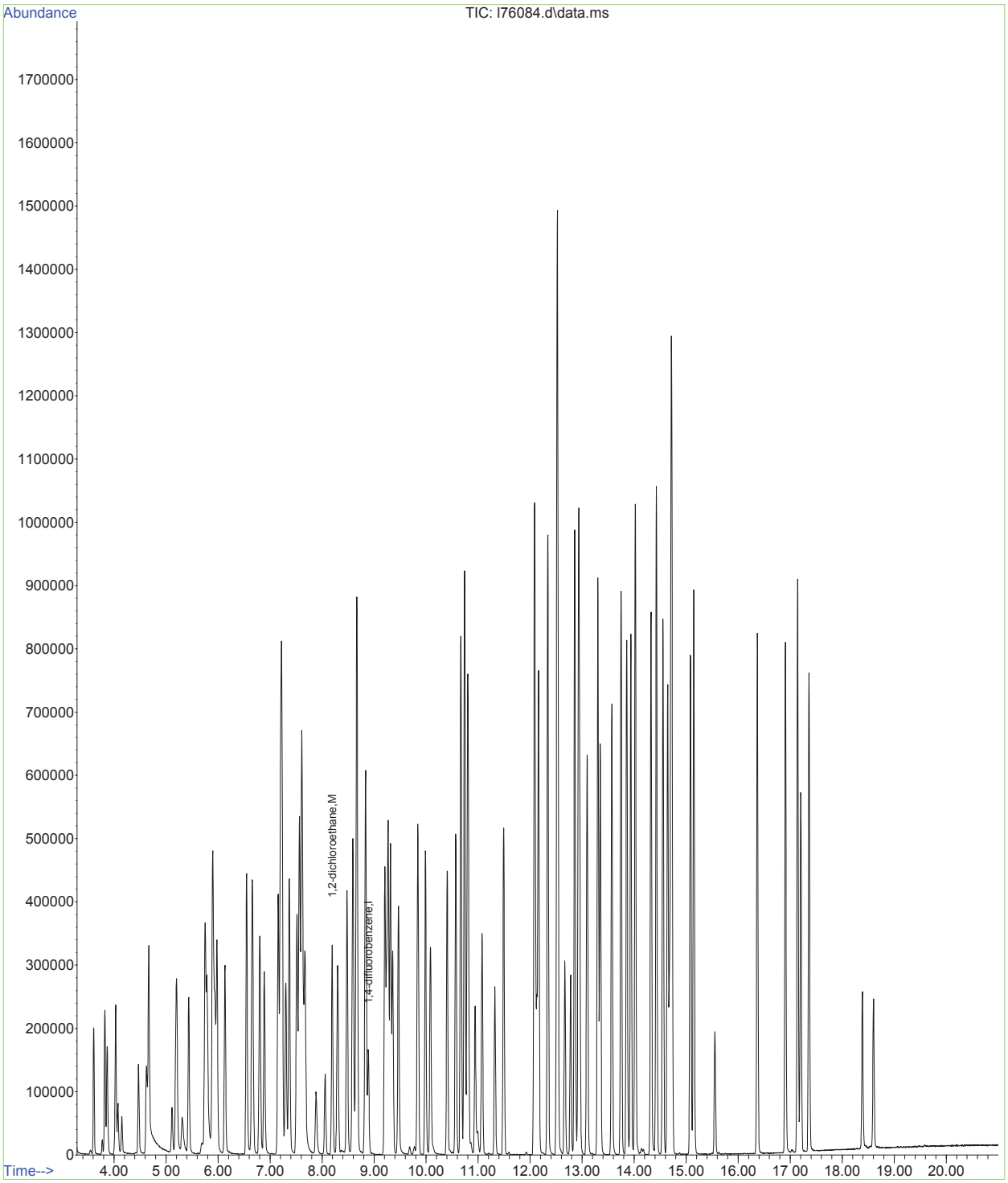
Quant Time: Oct 19 11:45:58 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.891	114	126477	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.196	62	269464	218.45	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76084.d
Acq On : 26 Jul 2013 11:12 pm
Operator : kerryr
Sample : ic3534-200
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 19 11:45:58 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76085.d
Acq On : 26 Jul 2013 11:42 pm
Operator : kerryr
Sample : ic3534-400
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

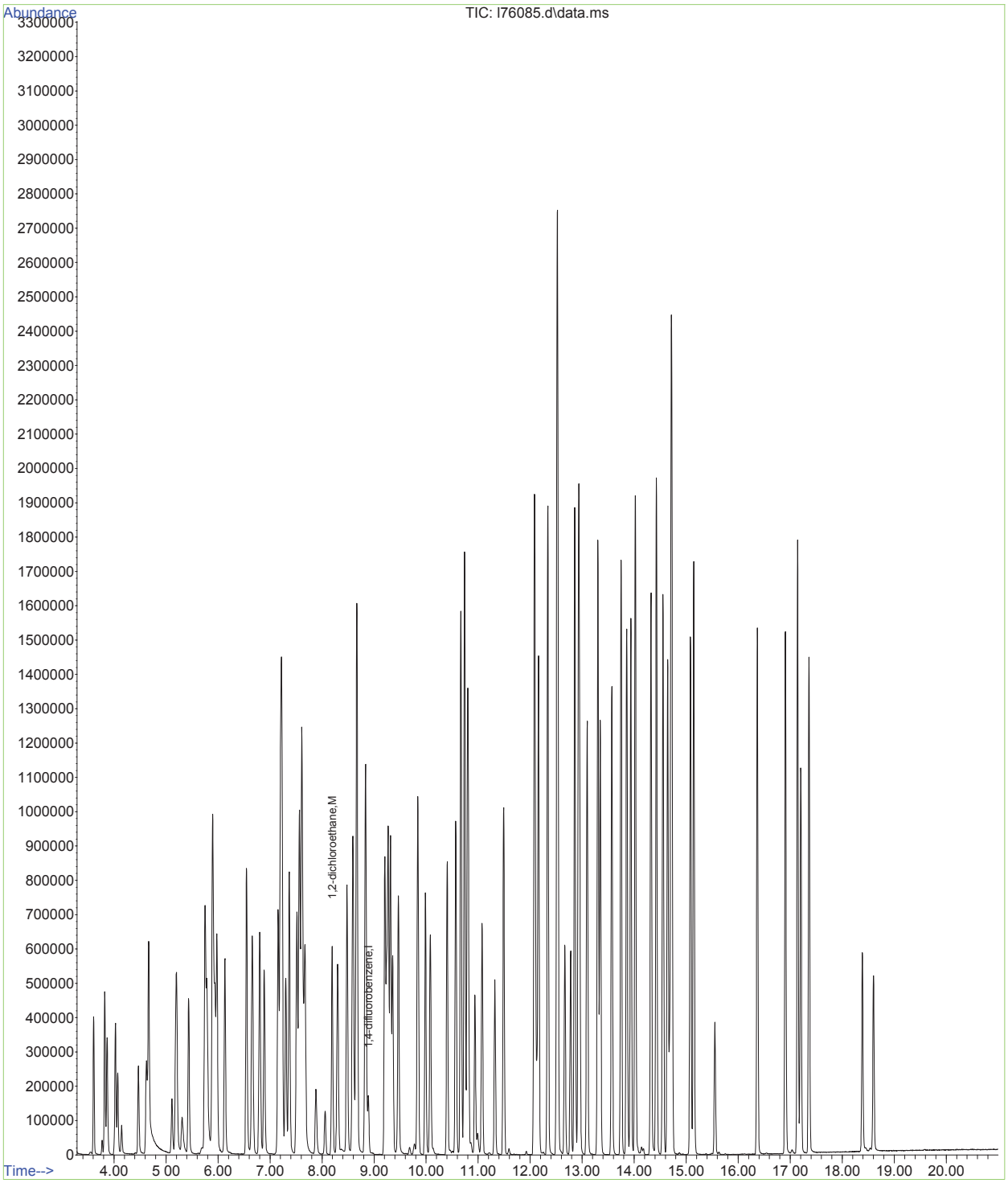
Quant Time: Oct 19 11:46:00 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.891	114	126155	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.195	62	499464	405.94	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76085.d
Acq On : 26 Jul 2013 11:42 pm
Operator : kerryr
Sample : ic3534-400
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 19 11:46:00 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:44:54 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130726\
Data File : l76088.d
Acq On : 27 Jul 2013 1:09 am
Operator : kerryr
Sample : icv3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

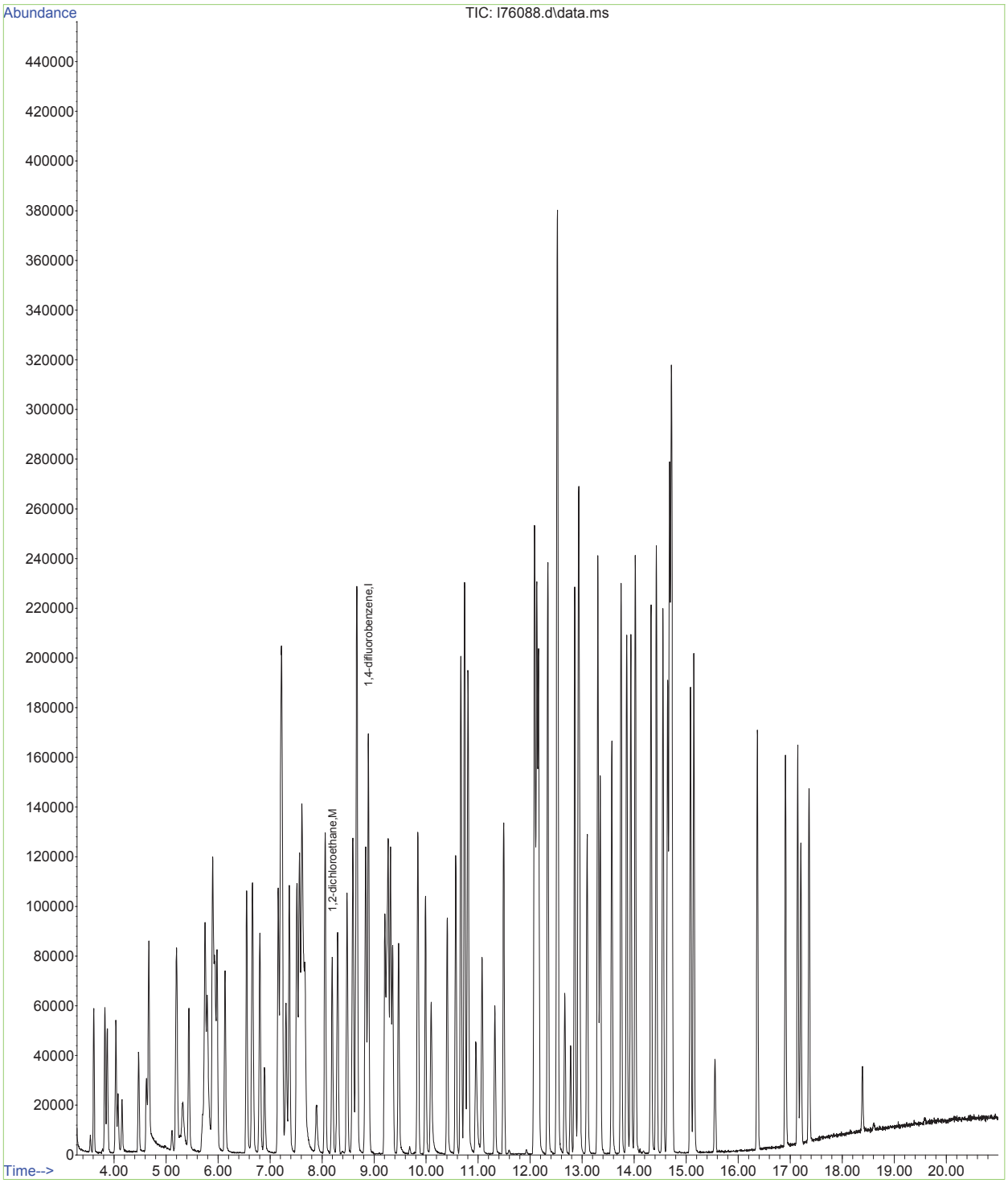
Quant Time: Oct 19 11:51:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	132946	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.196	62	65927	49.84	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : O:\msl\1\data backup\l130726\
Data File : l76088.d
Acq On : 27 Jul 2013 1:09 am
Operator : kerryr
Sample : icv3534-50
Misc : ms29503,msl3534,,,,5,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 19 11:51:40 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76141.d
Acq On : 30 Jul 2013 8:33 am
Operator : kerryr
Sample : cc3534-50
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 16:41:32 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

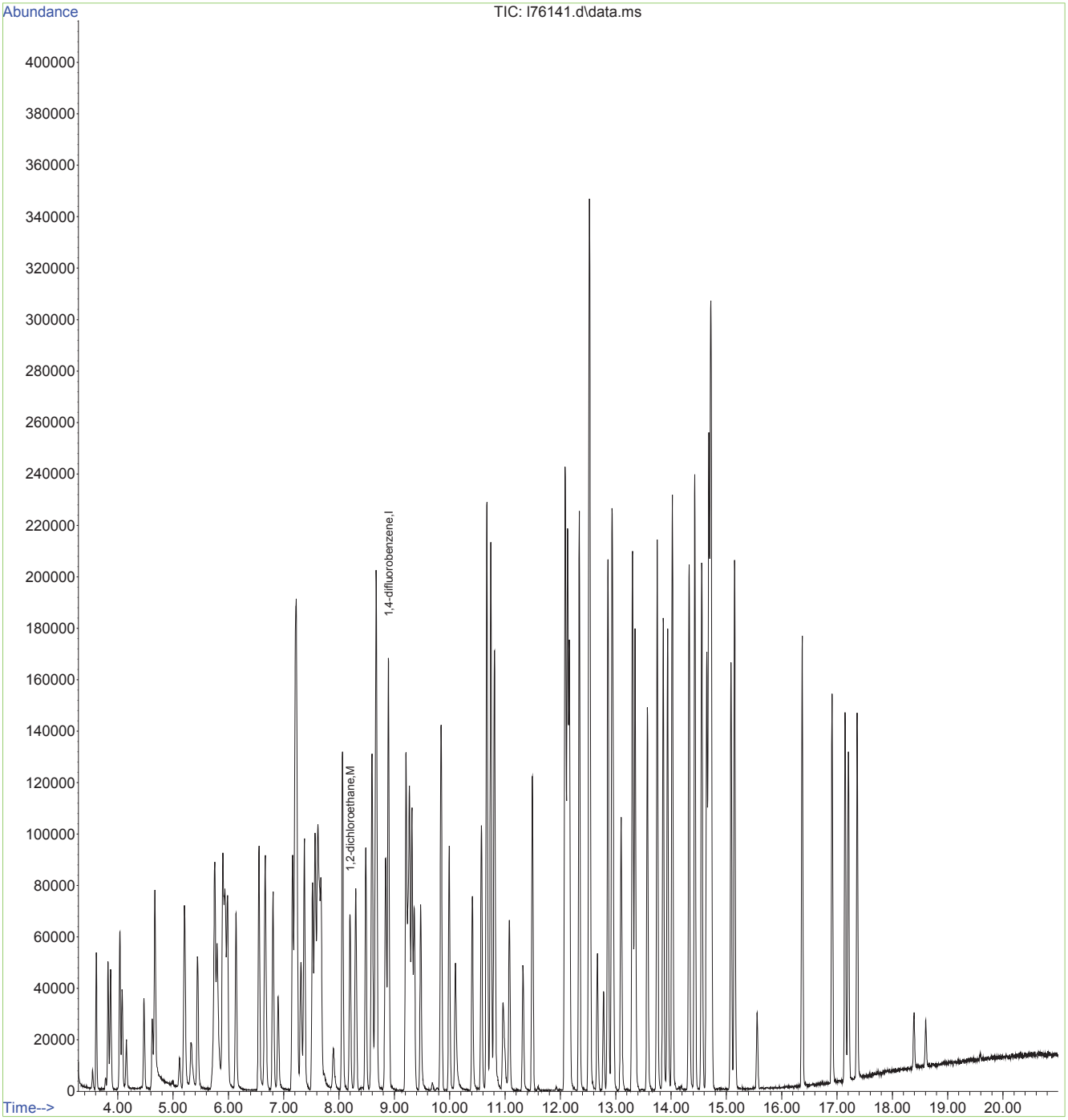
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.895	114	132933	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.200	62	58804	44.46	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76141.d
Acq On : 30 Jul 2013 8:33 am
Operator : kerryr
Sample : cc3534-50
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 20 16:41:32 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:42:43 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76157.d
Acq On : 30 Jul 2013 4:19 pm
Operator : kerryr
Sample : mc22834-1
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 20 16:41:47 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

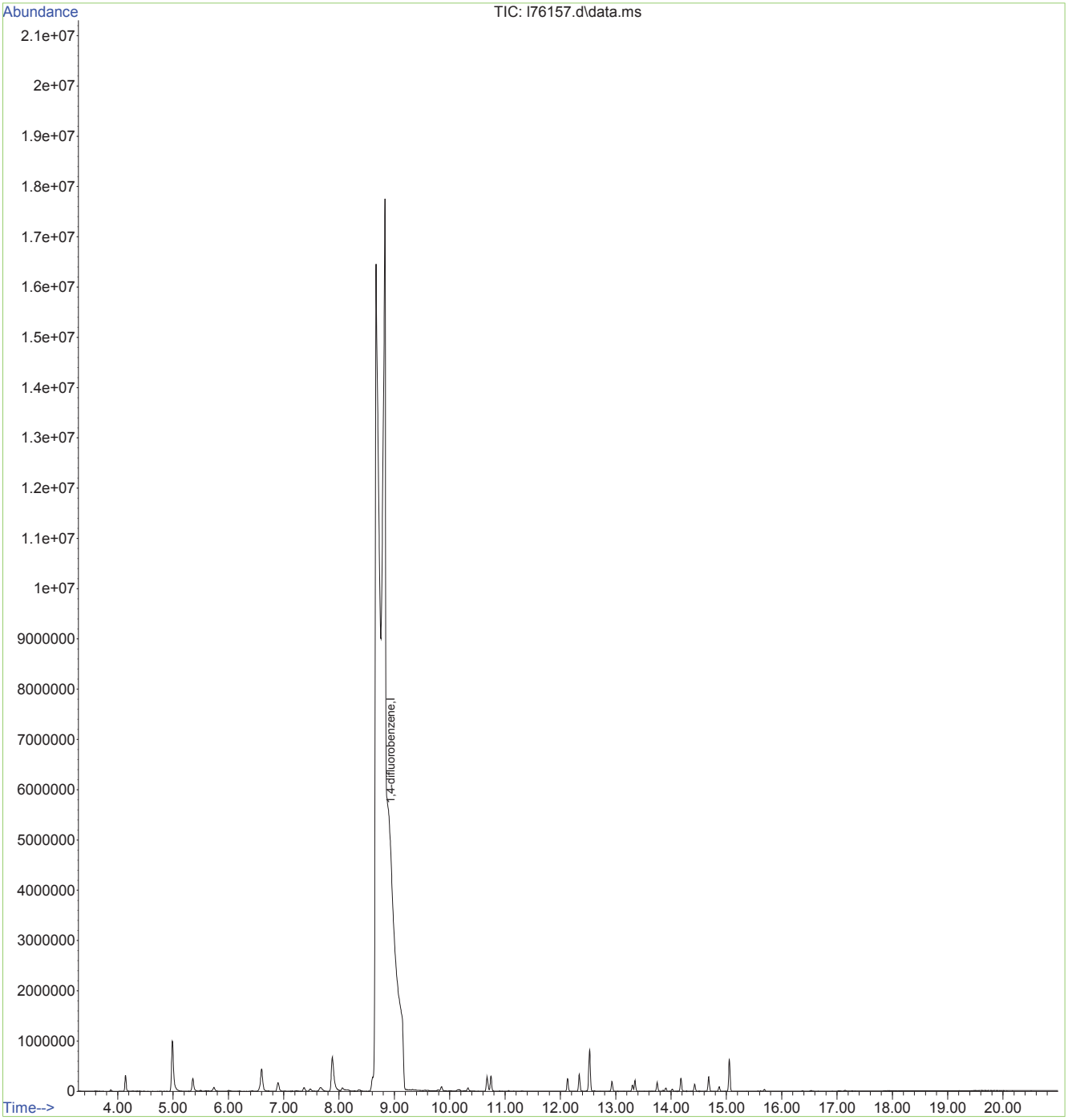
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.932	114	126283	50.00	ug/L	0.04
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76157.d
Acq On : 30 Jul 2013 4:19 pm
Operator : kerryr
Sample : mc22834-1
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 20 16:41:47 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76158.d
Acq On : 30 Jul 2013 4:47 pm
Operator : kerryr
Sample : mc22834-2
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 20 16:41:49 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

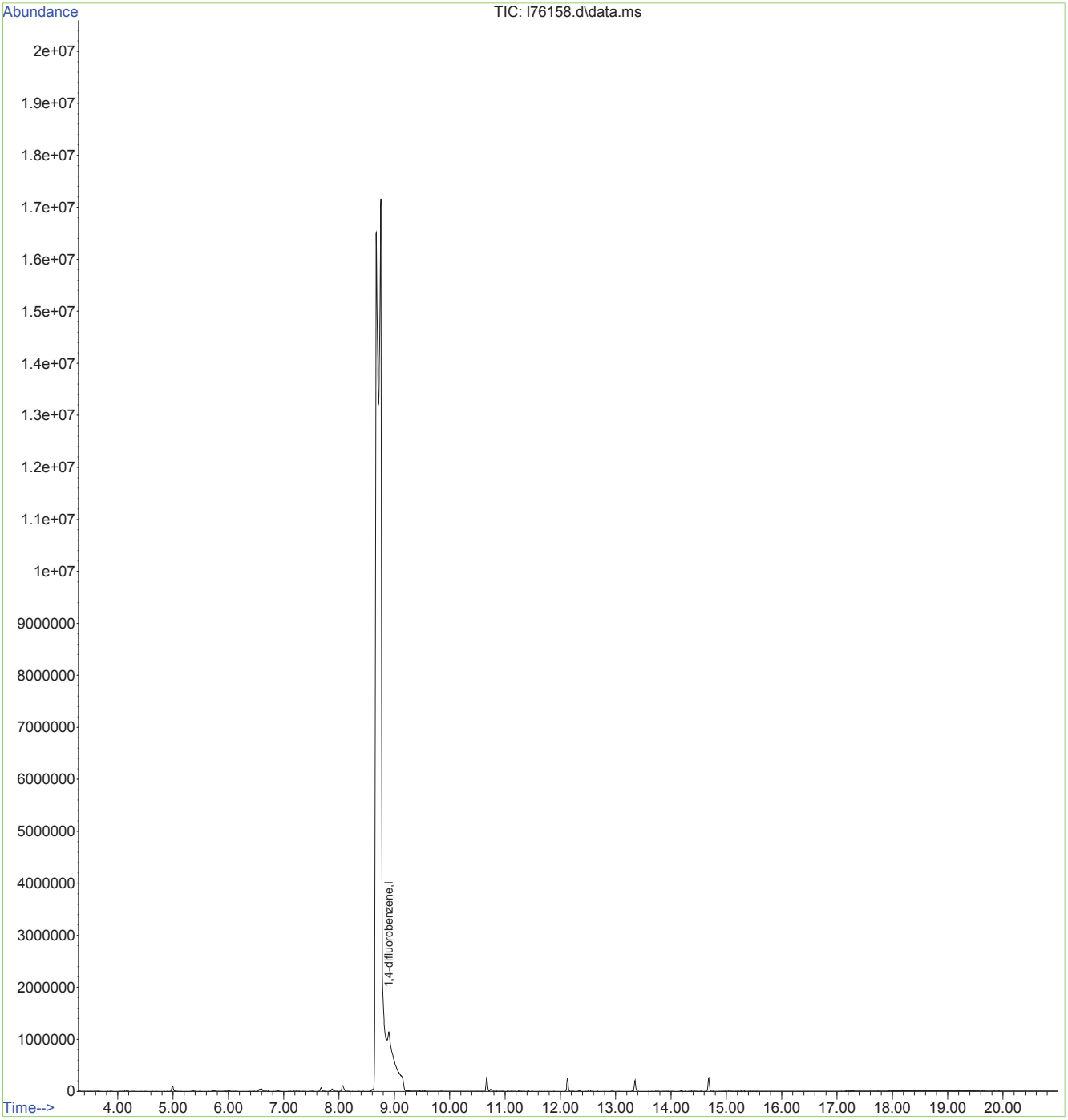
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.903	114	146112	50.00	ug/L	0.01
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76158.d
Acq On : 30 Jul 2013 4:47 pm
Operator : kerryr
Sample : mc22834-2
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 20 16:41:49 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76159.d
Acq On : 30 Jul 2013 5:16 pm
Operator : kerryr
Sample : mc22834-3
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 20 16:41:51 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

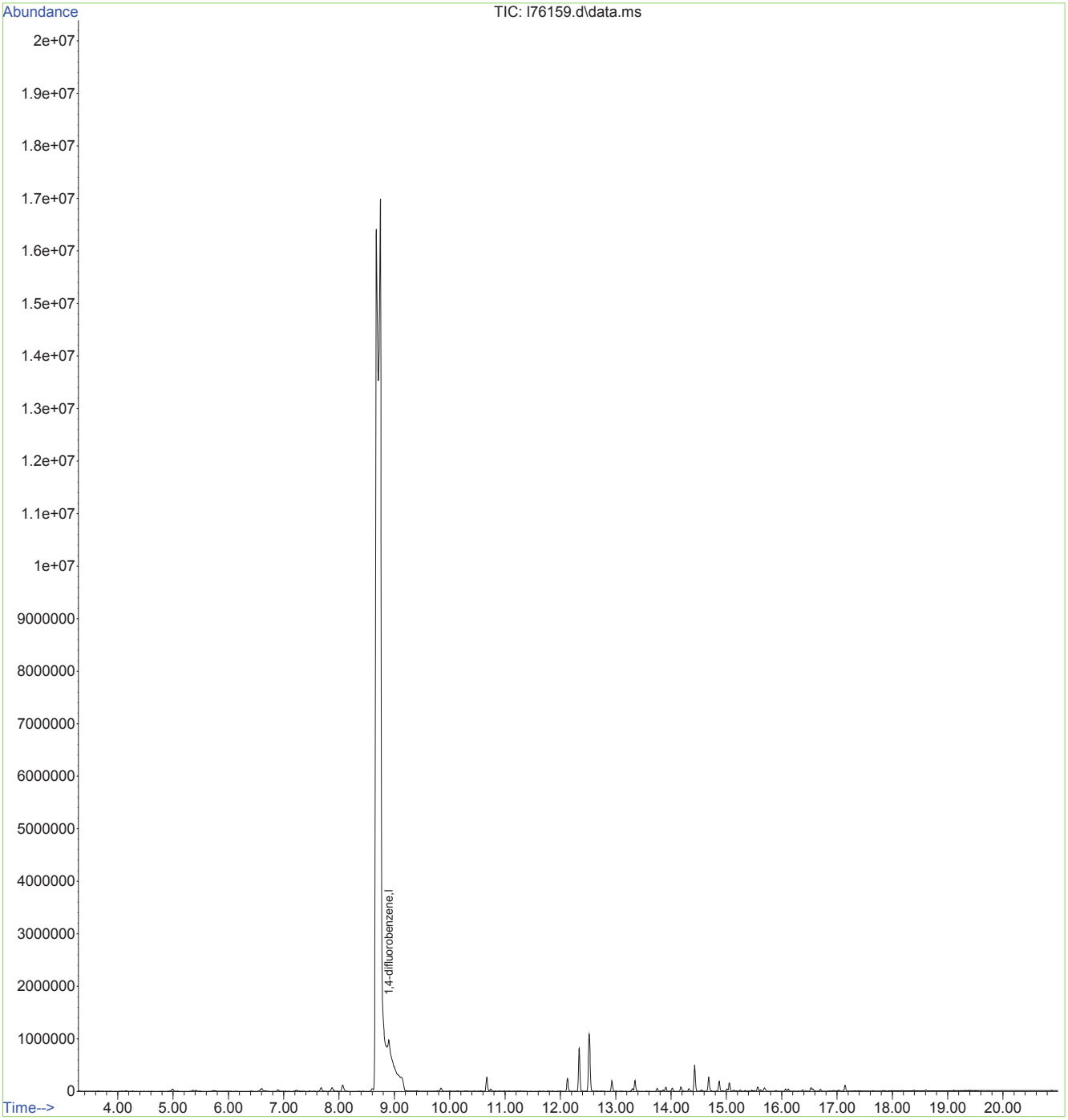
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.901	114	147670	50.00	ug/L	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76159.d
Acq On : 30 Jul 2013 5:16 pm
Operator : kerryr
Sample : mc22834-3
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 20 16:41:51 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76142.d
Acq On : 30 Jul 2013 9:02 am
Operator : kerryr
Sample : bs
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 16:41:35 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

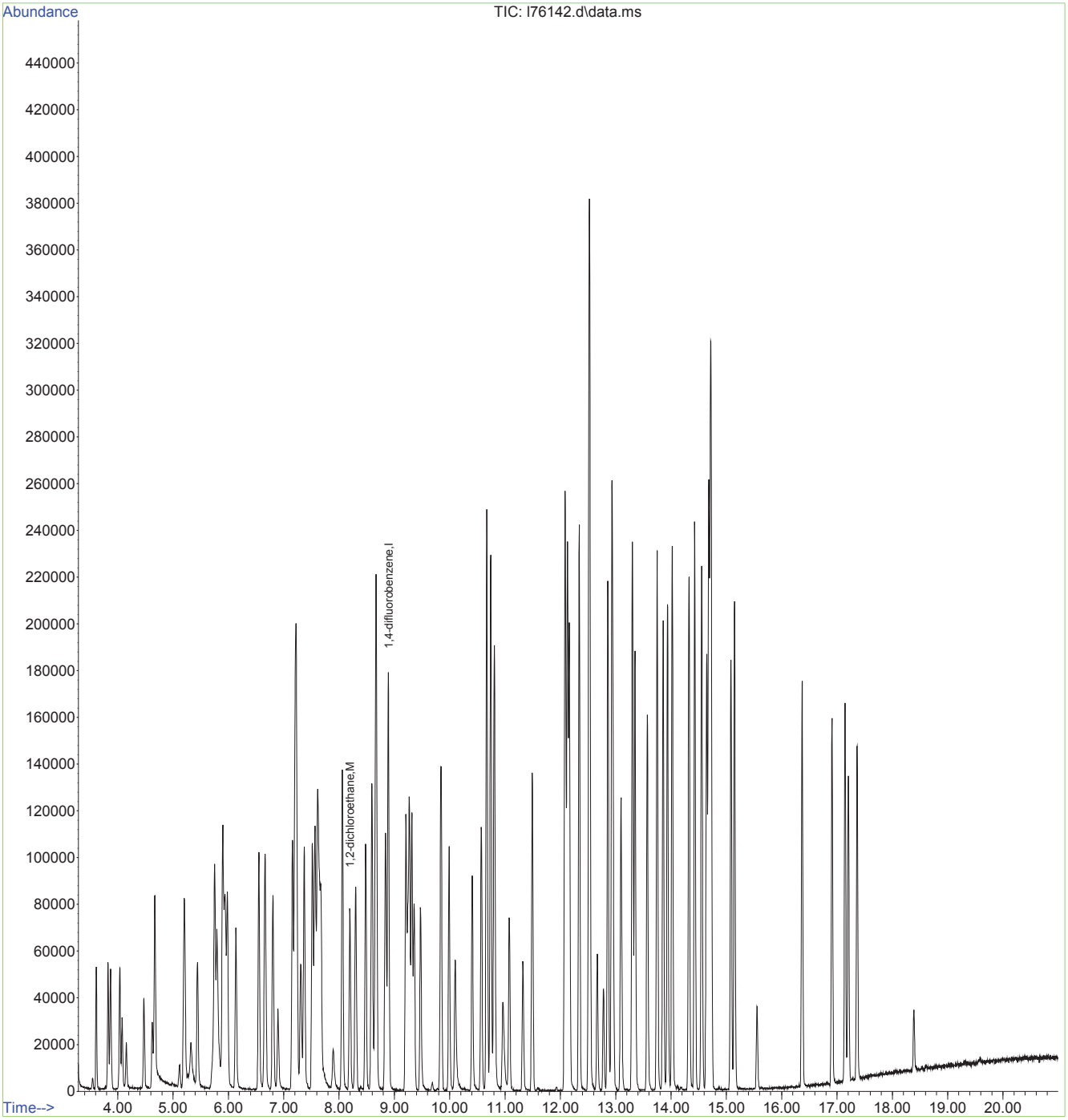
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	140042	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	65009	46.65	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76142.d
Acq On : 30 Jul 2013 9:02 am
Operator : kerryr
Sample : bs
Misc : ms29537,msl3537,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 16:41:35 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:43:06 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76145.d
Acq On : 30 Jul 2013 10:32 am
Operator : kerryr
Sample : mb
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 20 16:41:37 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

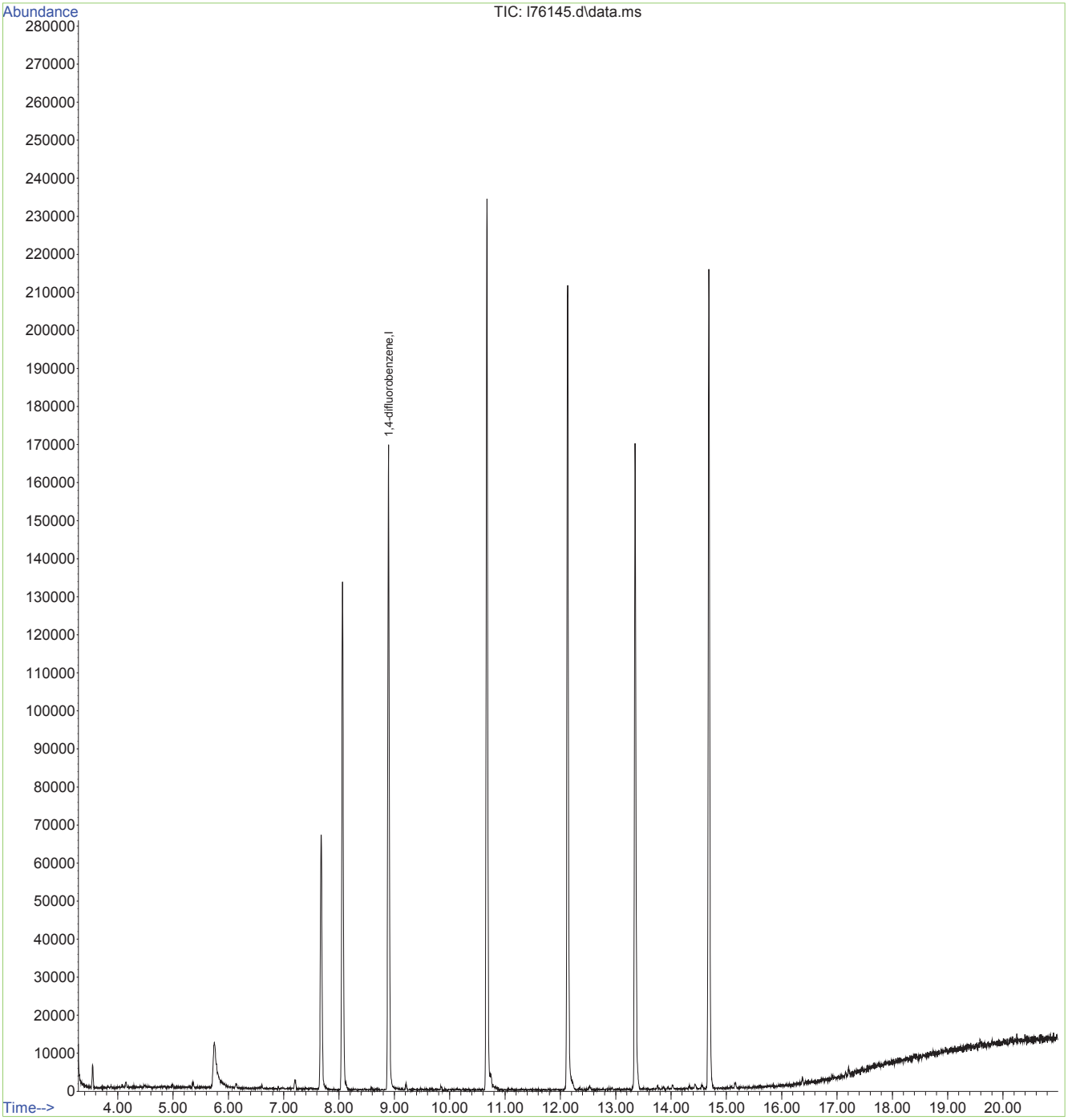
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.897	114	138887	50.00	ug/L	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76145.d
Acq On : 30 Jul 2013 10:32 am
Operator : kerryr
Sample : mb
Misc : ms29544tic,msl3537,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 20 16:41:37 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:43:41 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

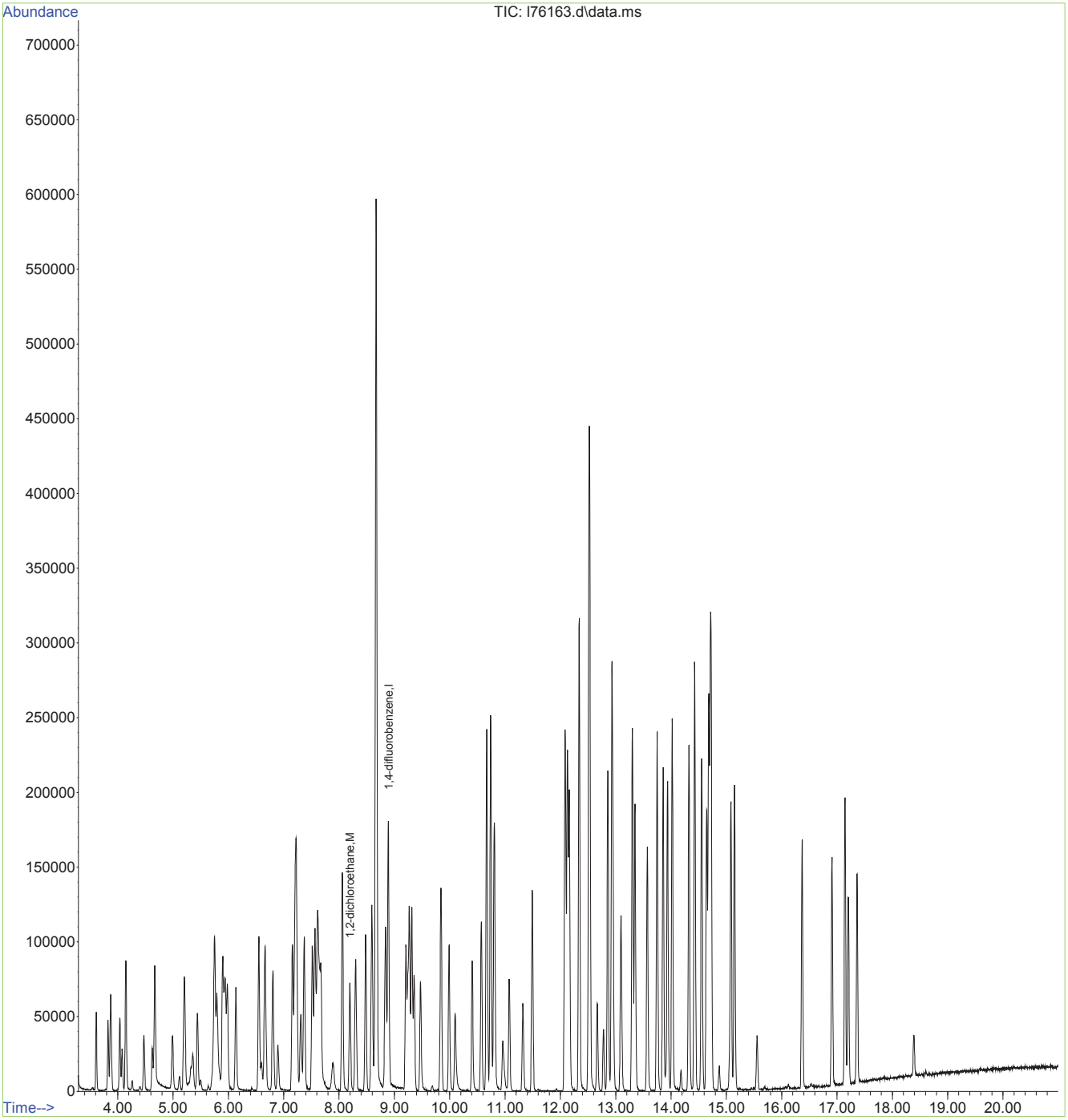
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	146262	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	61358	42.16	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

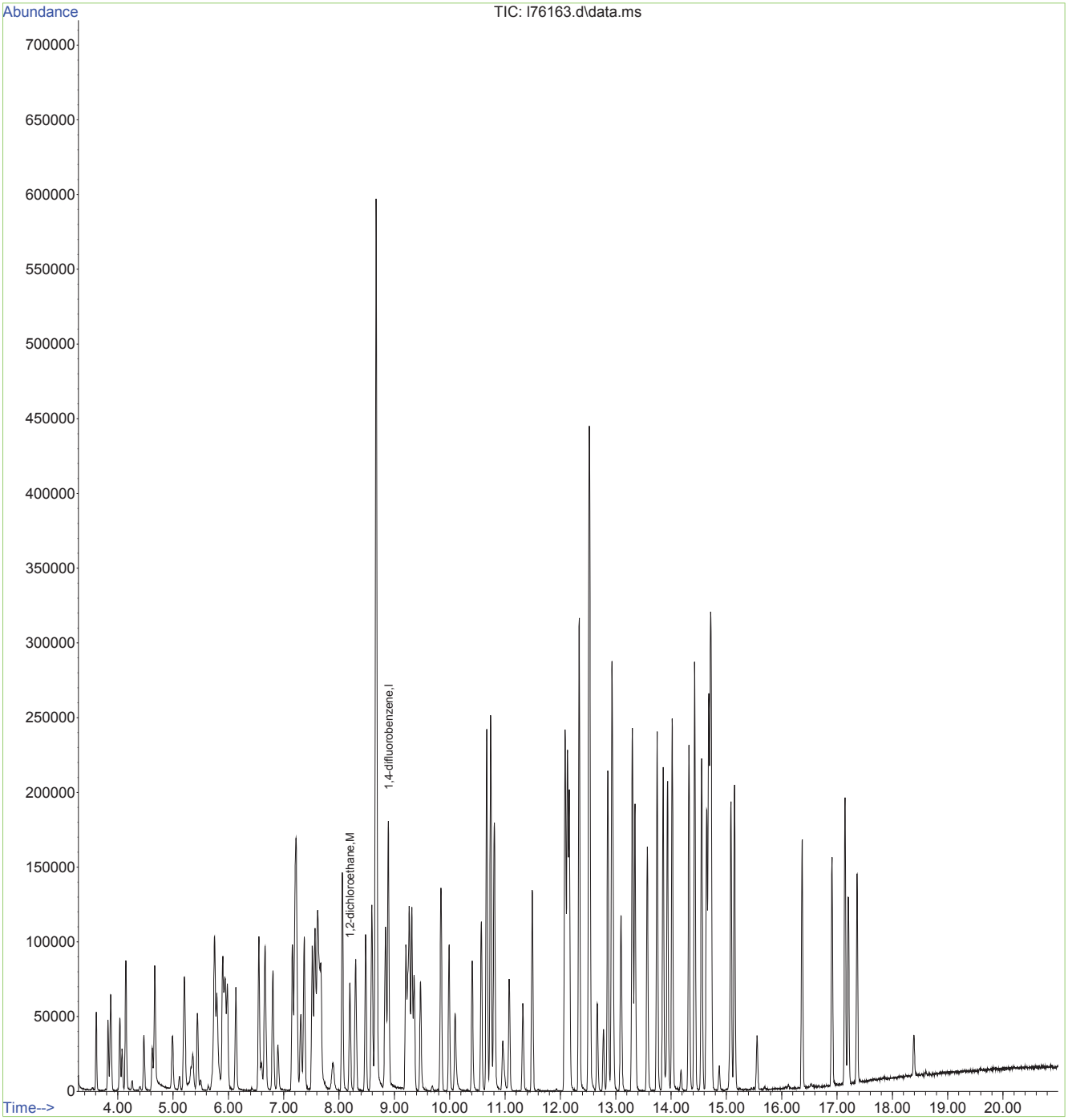
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.892	114	146262	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.198	62	61358	42.16	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76163.d
Acq On : 30 Jul 2013 7:12 pm
Operator : kerryr
Sample : mc22841-37ms
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 16:41:59 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

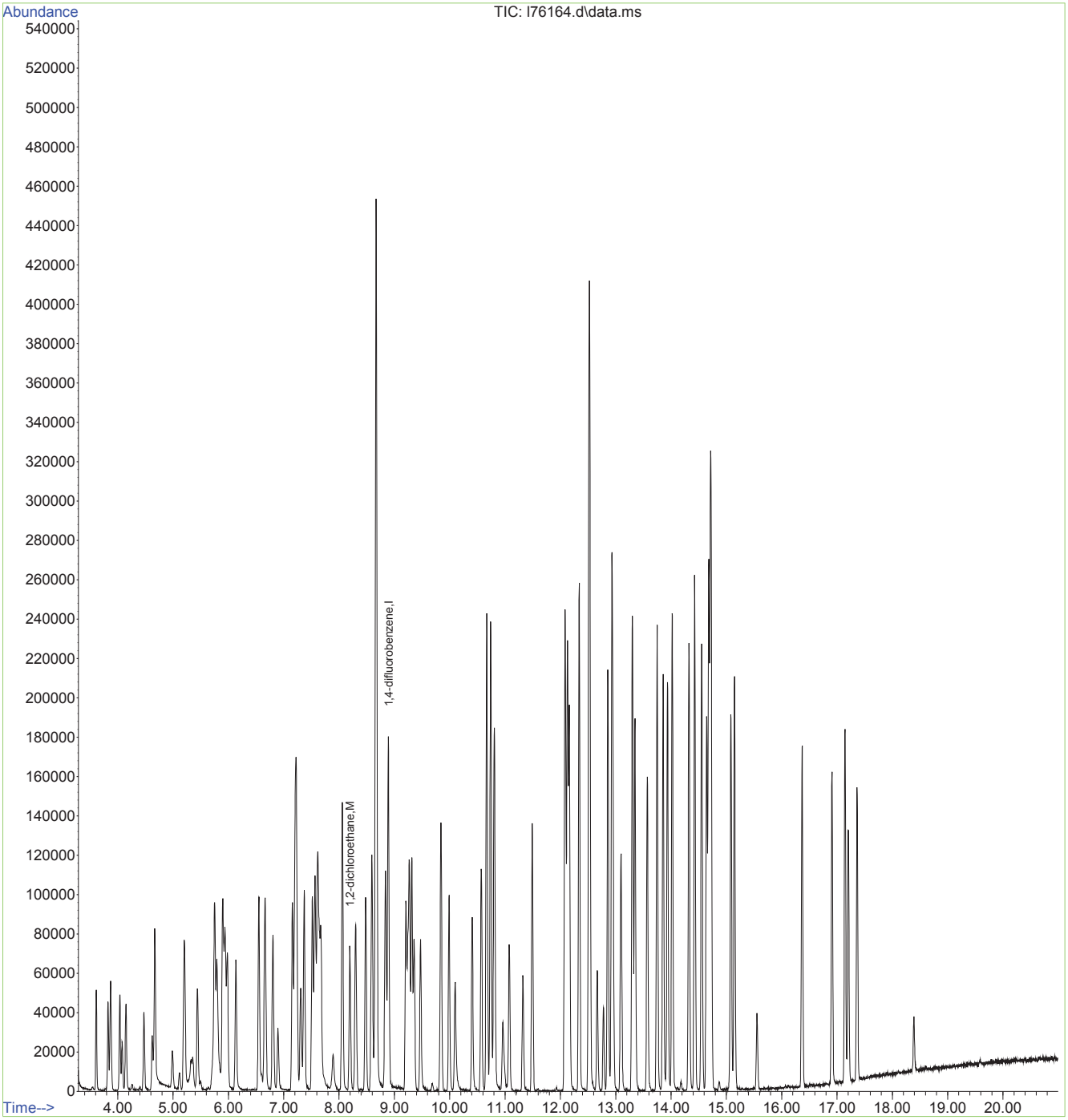
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	144863	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.197	62	61678	42.79	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



l130729wx.m Tue Oct 20 16:54:57 2015 Page: 2

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration

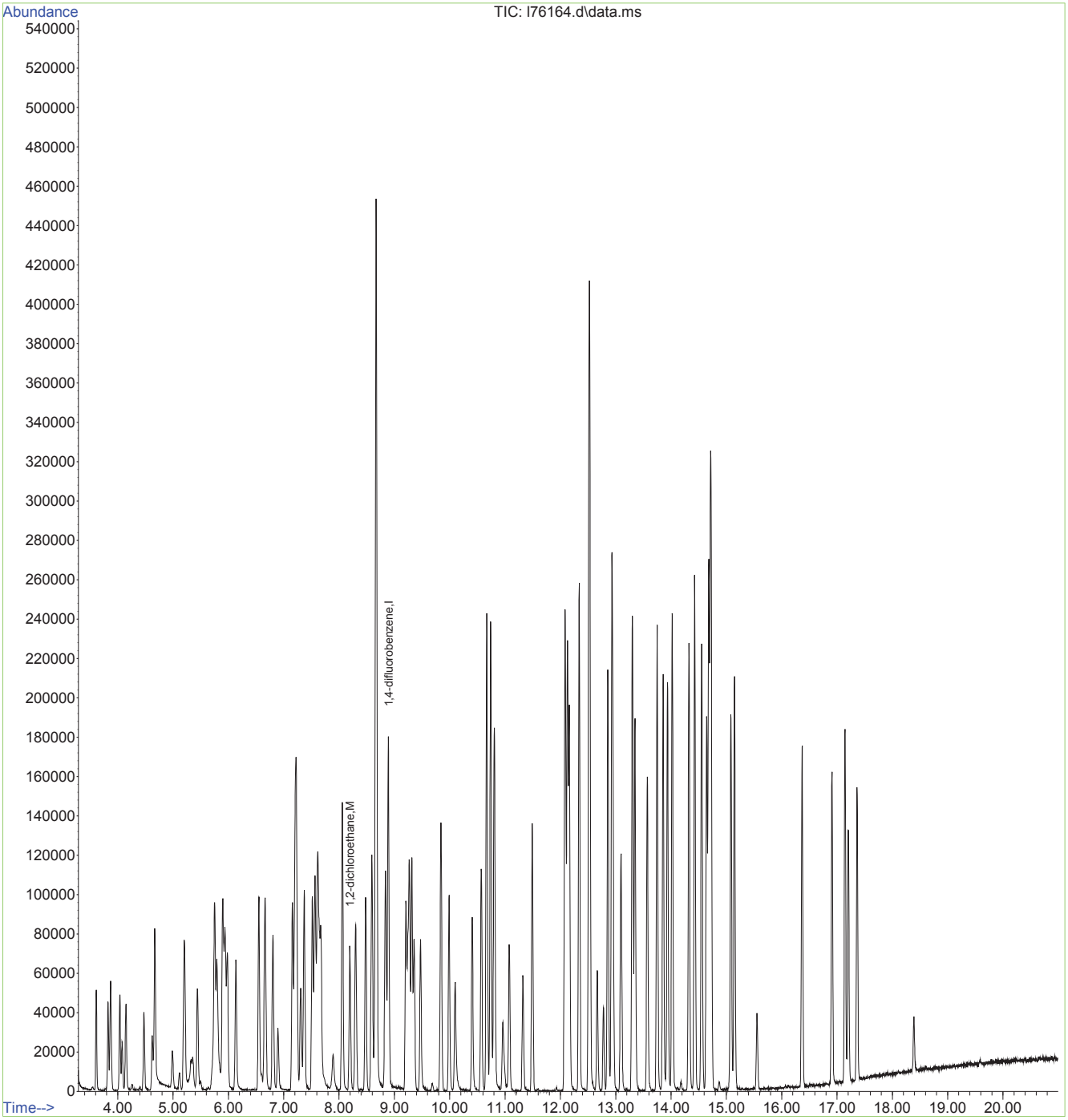
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-difluorobenzene	8.893	114	144863	50.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,2-dichloroethane	8.197	62	61678	42.79	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\msl\1\data backup\l130730\
Data File : l76164.d
Acq On : 30 Jul 2013 7:42 pm
Operator : kerryr
Sample : mc22841-37msd
Misc : ms29537,msl3537,,,,5,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 20 16:42:01 2015
Quant Method : O:\msl\1\methods\l130729wx.m
Quant Title : SW-846 Method 8260
QLast Update : Mon Oct 19 11:51:04 2015
Response via : Initial Calibration



Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22834

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22834-1 Collected: 18-JUL-13 10:25 By: LRDM Received: 19-JUL-13 By: P93B-ROX-071813						
MC22834-1	SW846 8011	25-JUL-13 15:15	NK	23-JUL-13	BJ	V8011SL
MC22834-1	SW846 8270C BY SIM	29-JUL-13 11:11	WK	24-JUL-13	FC	B8270SIMSL
MC22834-1	SW846 8260B	30-JUL-13 16:19	KR			V8260SL+
MC22834-1	SW846 8260B	30-JUL-13 16:53	GK			V8260SL+
MC22834-1	SW846 8270C	31-JUL-13 13:34	KR	24-JUL-13	FC	AB8270SL+
MC22834-2 Collected: 18-JUL-13 11:10 By: LRDM Received: 19-JUL-13 By: P93C-ROX-071813						
MC22834-2	SW846 8011	25-JUL-13 15:39	NK	23-JUL-13	BJ	V8011SL
MC22834-2	SW846 8270C BY SIM	29-JUL-13 11:33	WK	24-JUL-13	FC	B8270SIMSL
MC22834-2	SW846 8260B	30-JUL-13 16:47	KR			V8260SL+
MC22834-2	SW846 8260B	30-JUL-13 17:21	GK			V8260SL+
MC22834-2	SW846 8270C	31-JUL-13 13:57	KR	24-JUL-13	FC	AB8270SL+
MC22834-3 Collected: 18-JUL-13 12:00 By: LRDM Received: 19-JUL-13 By: P93A-ROX-071813						
MC22834-3	SW846 8011	25-JUL-13 16:04	NK	23-JUL-13	BJ	V8011SL
MC22834-3	SW846 8270C BY SIM	29-JUL-13 11:54	WK	24-JUL-13	FC	B8270SIMSL
MC22834-3	SW846 8260B	30-JUL-13 17:16	KR			V8260SL+
MC22834-3	SW846 8260B	30-JUL-13 17:49	GK			V8260SL+
MC22834-3	SW846 8270C	31-JUL-13 14:20	KR	24-JUL-13	FC	AB8270SL+
MC22834-4 Collected: 18-JUL-13 14:35 By: LRDM Received: 19-JUL-13 By: P114-ROX-071813						
MC22834-4	SW846 8011	25-JUL-13 16:28	NK	23-JUL-13	BJ	V8011SL
MC22834-4	SW846 8270C BY SIM	29-JUL-13 12:15	WK	24-JUL-13	FC	B8270SIMSL
MC22834-4	SW846 8260B	30-JUL-13 12:56	KR			V8260SL+
MC22834-4	SW846 8260B	30-JUL-13 18:17	GK			V8260SL+
MC22834-4	SW846 8270C	31-JUL-13 14:43	KR	24-JUL-13	FC	AB8270SL+
MC22834-5 Collected: 18-JUL-13 14:35 By: LRDM Received: 19-JUL-13 By: P114-ROX-071813-DUP						
MC22834-5	SW846 8011	25-JUL-13 17:16	NK	23-JUL-13	BJ	V8011SL

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC22834

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC22834-5	SW846 8270C BY SIM	29-JUL-13 12:37	WK	24-JUL-13	FC	B8270SIMSL
MC22834-5	SW846 8260B	30-JUL-13 13:26	KR			V8260SL+
MC22834-5	SW846 8260B	30-JUL-13 18:44	GK			V8260SL+
MC22834-5	SW846 8270C	31-JUL-13 15:52	KR	24-JUL-13	FC	AB8270SL+
MC22834-6 Collected: 18-JUL-13 00:00 By: LRDM Received: 19-JUL-13 By: TB-ROX-071813-HCL						
MC22834-6	SW846 8260B	30-JUL-13 11:01	KR			V8260SL+
MC22834-6	SW846 8260B	30-JUL-13 11:52	GK			V8260SL+
MC22834-7 Collected: 18-JUL-13 00:00 By: LRDM Received: 19-JUL-13 By: TB-ROX-071813-ST						
MC22834-7	SW846 8011	25-JUL-13 16:52	NK	23-JUL-13	BJ	V8011SL

SGS Accutest Internal Chain of Custody

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/19/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22834-1.1	Walk In Ref #22	Bijan Jafari	07/24/13 11:21	Retrieve from Storage
MC22834-1.1	Bijan Jafari		07/26/13 08:35	Depleted
MC22834-1.3	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22834-1.3	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22834-1.3	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22834-1.3	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22834-1.3	Scott Parsick		10/04/13 13:49	Disposed
MC22834-1.4	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22834-1.4	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22834-1.4	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22834-1.4	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22834-1.4	Scott Parsick		10/04/13 13:49	Disposed
MC22834-1.5	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22834-1.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22834-2.1	Walk In Ref #22	Bijan Jafari	07/24/13 11:21	Retrieve from Storage
MC22834-2.1	Bijan Jafari		07/26/13 08:35	Depleted
MC22834-2.3	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22834-2.3	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22834-2.3	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22834-2.3	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22834-2.3	Scott Parsick		10/04/13 13:49	Disposed
MC22834-2.4	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22834-2.4	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22834-2.4	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22834-2.4	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22834-2.4	Scott Parsick		10/04/13 13:49	Disposed
MC22834-2.6	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22834-2.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22834-3.1	Walk In Ref #22	Bijan Jafari	07/24/13 11:21	Retrieve from Storage
MC22834-3.1	Bijan Jafari		07/26/13 08:35	Depleted
MC22834-3.3	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22834-3.3	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22834-3.3	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22834-3.3	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22834-3.3	Scott Parsick		10/04/13 13:49	Disposed

SGS Accutest Internal Chain of Custody

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/19/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22834-3.4	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22834-3.4	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22834-3.4	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22834-3.4	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22834-3.4	Scott Parsick		10/04/13 13:49	Disposed
MC22834-3.6	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22834-3.6	Bijan Jafari		07/23/13 18:13	Depleted
MC22834-4.1	Walk In Ref #22	Bijan Jafari	07/24/13 11:21	Retrieve from Storage
MC22834-4.1	Bijan Jafari		07/26/13 08:35	Depleted
MC22834-4.3	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22834-4.3	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22834-4.3	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22834-4.3	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22834-4.3	Scott Parsick		10/04/13 13:49	Disposed
MC22834-4.4	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22834-4.4	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22834-4.4	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22834-4.4	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22834-4.4	Scott Parsick		10/04/13 13:49	Disposed
MC22834-4.5	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22834-4.5	Bijan Jafari		07/23/13 18:13	Depleted
MC22834-5.1	Walk In Ref #22	Bijan Jafari	07/24/13 11:21	Retrieve from Storage
MC22834-5.1	Bijan Jafari		07/26/13 08:35	Depleted
MC22834-5.3	VOC Ref #1	Kerry Ryan	07/30/13 09:39	Retrieve from Storage
MC22834-5.3	Kerry Ryan	GCMSL	07/30/13 09:39	Load on Instrument
MC22834-5.3	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22834-5.3	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22834-5.3	Scott Parsick		10/04/13 13:49	Disposed
MC22834-5.4	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage
MC22834-5.4	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22834-5.4	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22834-5.4	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22834-5.4	Scott Parsick		10/04/13 13:49	Disposed
MC22834-6.1	VOC Ref #1	Gary Krasinski	07/30/13 11:04	Retrieve from Storage

SGS Accutest Internal Chain of Custody

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 07/19/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC22834-6.1	Gary Krasinski	GCMSK	07/30/13 11:04	Load on Instrument
MC22834-6.1	GCMSK	Gary Krasinski	07/31/13 09:37	Unload from Instrument
MC22834-6.1	Gary Krasinski	VOC Ref #1	07/31/13 09:37	Return to Storage
MC22834-6.1	Scott Parsick		10/04/13 13:49	Disposed
MC22834-6.2	VOC Ref #1	Kerry Ryan	07/30/13 09:42	Retrieve from Storage
MC22834-6.2	Kerry Ryan	GCMSL	07/30/13 09:42	Load on Instrument
MC22834-6.2	GCMSL	Kerry Ryan	07/31/13 09:24	Unload from Instrument
MC22834-6.2	Kerry Ryan	VOC Ref #1	07/31/13 09:24	Return to Storage
MC22834-6.2	Scott Parsick		10/04/13 13:49	Disposed
MC22834-7.2	VOC Ref #1	Bijan Jafari	07/23/13 10:48	Retrieve from Storage
MC22834-7.2	Bijan Jafari		07/23/13 18:13	Depleted

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-MB	L76145.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-MB	L76145.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	50	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-MB	L76145.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	90%	70-130%
460-00-4	4-Bromofluorobenzene	108%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-MB	K72596.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-MB	K72596.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-MB	K72596.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-BS	L76142.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	42.2	84	70-130
107-02-8	Acrolein	250	321	128	70-130
107-13-1	Acrylonitrile	50	44.2	88	70-130
108-86-1	Bromobenzene	50	50.4	101	70-130
74-97-5	Bromochloromethane	50	44.4	89	70-130
75-27-4	Bromodichloromethane	50	47.1	94	70-130
75-25-2	Bromoform	50	43.4	87	70-130
74-83-9	Bromomethane	50	49.0	98	70-130
78-93-3	2-Butanone (MEK)	50	37.1	74	70-130
104-51-8	n-Butylbenzene	50	55.7	111	70-130
135-98-8	sec-Butylbenzene	50	58.0	116	70-130
98-06-6	tert-Butylbenzene	50	55.9	112	70-130
75-15-0	Carbon disulfide	50	42.1	84	70-130
56-23-5	Carbon tetrachloride	50	48.4	97	70-130
108-90-7	Chlorobenzene	50	52.8	106	70-130
75-00-3	Chloroethane	50	43.8	88	70-130
67-66-3	Chloroform	50	44.6	89	70-130
74-87-3	Chloromethane	50	42.5	85	70-130
95-49-8	o-Chlorotoluene	50	51.3	103	70-130
106-43-4	p-Chlorotoluene	50	54.7	109	70-130
124-48-1	Dibromochloromethane	50	50.4	101	70-130
95-50-1	1,2-Dichlorobenzene	50	54.5	109	70-130
541-73-1	1,3-Dichlorobenzene	50	52.7	105	70-130
106-46-7	1,4-Dichlorobenzene	50	48.6	97	70-130
75-71-8	Dichlorodifluoromethane	50	46.3	93	70-130
75-34-3	1,1-Dichloroethane	50	46.4	93	70-130
107-06-2	1,2-Dichloroethane	50	46.7	93	70-130
75-35-4	1,1-Dichloroethene	50	48.1	96	70-130
156-59-2	cis-1,2-Dichloroethene	50	44.2	88	70-130
156-60-5	trans-1,2-Dichloroethene	50	44.2	88	70-130
78-87-5	1,2-Dichloropropane	50	44.7	89	70-130
142-28-9	1,3-Dichloropropane	50	50.2	100	70-130
594-20-7	2,2-Dichloropropane	50	50.9	102	70-130
563-58-6	1,1-Dichloropropene	50	49.9	100	70-130
10061-01-5	cis-1,3-Dichloropropene	50	39.7	79	70-130
10061-02-6	trans-1,3-Dichloropropene	50	43.4	87	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-BS	L76142.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	250	179	72	70-130
97-63-2	Ethyl methacrylate	50	44.0	88	77-137
100-41-4	Ethylbenzene	50	50.0	100	70-130
87-68-3	Hexachlorobutadiene	50	52.5	105	70-130
591-78-6	2-Hexanone	50	45.6	91	70-130
98-82-8	Isopropylbenzene	50	54.4	109	70-130
99-87-6	p-Isopropyltoluene	50	54.8	110	70-130
1634-04-4	Methyl Tert Butyl Ether	50	37.6	75	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	39.8	80	70-130
74-95-3	Methylene bromide	50	46.3	93	70-130
75-09-2	Methylene chloride	50	45.5	91	70-130
91-20-3	Naphthalene	50	43.3	87	70-130
103-65-1	n-Propylbenzene	50	53.9	108	70-130
100-42-5	Styrene	50	50.9	102	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	50.9	102	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-130
127-18-4	Tetrachloroethene	50	56.4	113	70-130
108-88-3	Toluene	50	42.5	85	70-130
87-61-6	1,2,3-Trichlorobenzene	50	45.6	91	70-130
120-82-1	1,2,4-Trichlorobenzene	50	47.2	94	70-130
71-55-6	1,1,1-Trichloroethane	50	52.5	105	70-130
79-00-5	1,1,2-Trichloroethane	50	45.7	91	70-130
79-01-6	Trichloroethene	50	42.3	85	70-130
75-69-4	Trichlorofluoromethane	50	46.7	93	70-130
96-18-4	1,2,3-Trichloropropane	50	49.8	100	70-130
95-63-6	1,2,4-Trimethylbenzene	50	48.4	97	70-130
108-67-8	1,3,5-Trimethylbenzene	50	47.8	96	70-130
108-05-4	Vinyl Acetate	50	28.4	57* [a]	70-130
75-01-4	Vinyl chloride	50	36.5	73	70-130
	m,p-Xylene	100	103	103	70-130
95-47-6	o-Xylene	50	54.7	109	70-130
1330-20-7	Xylene (total)	150	157	105	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSL3537-BS	L76142.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	70-130%
2037-26-5	Toluene-D8	90%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-BS	K72593.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	64.7	129	70-130
107-13-1	Acrylonitrile	50	49.8	100	70-130
71-43-2	Benzene	50	52.2	104	70-130
108-86-1	Bromobenzene	50	49.4	99	70-130
74-97-5	Bromochloromethane	50	53.3	107	70-130
75-27-4	Bromodichloromethane	50	50.4	101	70-130
75-25-2	Bromoform	50	51.6	103	70-130
74-83-9	Bromomethane	50	60.2	120	70-130
78-93-3	2-Butanone (MEK)	50	66.5	133* [a]	70-130
104-51-8	n-Butylbenzene	50	48.8	98	70-130
135-98-8	sec-Butylbenzene	50	51.7	103	70-130
98-06-6	tert-Butylbenzene	50	50.1	100	70-130
75-15-0	Carbon disulfide	50	50.8	102	70-130
56-23-5	Carbon tetrachloride	50	52.9	106	70-130
108-90-7	Chlorobenzene	50	59.3	119	70-130
75-00-3	Chloroethane	50	54.7	109	70-130
110-75-8	2-Chloroethyl vinyl ether	50	33.2	66* [a]	70-130
67-66-3	Chloroform	50	55.0	110	70-130
74-87-3	Chloromethane	50	57.3	115	70-130
95-49-8	o-Chlorotoluene	50	49.0	98	70-130
106-43-4	p-Chlorotoluene	50	51.9	104	70-130
124-48-1	Dibromochloromethane	50	54.2	108	70-130
95-50-1	1,2-Dichlorobenzene	50	53.7	107	70-130
541-73-1	1,3-Dichlorobenzene	50	53.4	107	70-130
106-46-7	1,4-Dichlorobenzene	50	49.4	99	70-130
75-71-8	Dichlorodifluoromethane	50	55.1	110	70-130
75-34-3	1,1-Dichloroethane	50	54.2	108	70-130
107-06-2	1,2-Dichloroethane	50	48.6	97	70-130
75-35-4	1,1-Dichloroethene	50	51.5	103	70-130
156-59-2	cis-1,2-Dichloroethene	50	53.5	107	70-130
156-60-5	trans-1,2-Dichloroethene	50	54.5	109	70-130
78-87-5	1,2-Dichloropropane	50	47.0	94	70-130
142-28-9	1,3-Dichloropropane	50	51.7	103	70-130
594-20-7	2,2-Dichloropropane	50	58.3	117	70-130
563-58-6	1,1-Dichloropropene	50	48.9	98	70-130
10061-01-5	cis-1,3-Dichloropropene	50	47.0	94	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-BS	K72593.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	50.3	101	70-130
123-91-1	1,4-Dioxane	250	227	91	70-130
97-63-2	Ethyl methacrylate	50	48.5	97	77-137
100-41-4	Ethylbenzene	50	50.9	102	70-130
87-68-3	Hexachlorobutadiene	50	48.5	97	70-130
591-78-6	2-Hexanone	50	58.5	117	70-130
98-82-8	Isopropylbenzene	50	51.3	103	70-130
99-87-6	p-Isopropyltoluene	50	50.7	101	70-130
1634-04-4	Methyl Tert Butyl Ether	50	49.7	99	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	43.5	87	70-130
74-95-3	Methylene bromide	50	50.2	100	70-130
75-09-2	Methylene chloride	50	55.1	110	70-130
91-20-3	Naphthalene	50	58.0	116	70-130
103-65-1	n-Propylbenzene	50	50.6	101	70-130
100-42-5	Styrene	50	54.2	108	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	55.7	111	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	48.6	97	70-130
127-18-4	Tetrachloroethene	50	57.7	115	70-130
108-88-3	Toluene	50	50.0	100	70-130
87-61-6	1,2,3-Trichlorobenzene	50	62.9	126	70-130
120-82-1	1,2,4-Trichlorobenzene	50	54.8	110	70-130
71-55-6	1,1,1-Trichloroethane	50	52.4	105	70-130
79-00-5	1,1,2-Trichloroethane	50	48.5	97	70-130
79-01-6	Trichloroethene	50	48.8	98	70-130
75-69-4	Trichlorofluoromethane	50	50.0	100	70-130
96-18-4	1,2,3-Trichloropropane	50	42.1	84	70-130
95-63-6	1,2,4-Trimethylbenzene	50	47.9	96	70-130
108-67-8	1,3,5-Trimethylbenzene	50	46.8	94	70-130
108-05-4	Vinyl Acetate	50	34.5	69* [a]	70-130
75-01-4	Vinyl chloride	50	41.2	82	70-130
	m,p-Xylene	100	106	106	70-130
95-47-6	o-Xylene	50	54.5	109	70-130
1330-20-7	Xylene (total)	150	160	107	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSK2364-BS	K72593.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23063-7MS	K72601.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7MSD	K72602.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7	K72600.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	MC23063-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	7.6		250	165	63* [a]	250	167	64* [a]	1	70-130/30
107-13-1	Acrylonitrile	ND		250	232	93	250	225	90	3	70-130/30
71-43-2	Benzene	ND		250	244	98	250	237	95	3	70-130/30
108-86-1	Bromobenzene	ND		250	223	89	250	228	91	2	70-130/30
74-97-5	Bromochloromethane	ND		250	243	97	250	238	95	2	70-130/30
75-27-4	Bromodichloromethane	ND		250	232	93	250	227	91	2	70-130/30
75-25-2	Bromoform	ND		250	234	94	250	234	94	0	70-130/30
74-83-9	Bromomethane	ND		250	249	100	250	239	96	4	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	219	88	250	216	86	1	70-130/30
104-51-8	n-Butylbenzene	ND		250	233	93	250	234	94	0	70-130/30
135-98-8	sec-Butylbenzene	ND		250	231	92	250	231	92	0	70-130/30
98-06-6	tert-Butylbenzene	ND		250	225	90	250	225	90	0	70-130/30
75-15-0	Carbon disulfide	ND		250	217	87	250	207	83	5	70-130/30
56-23-5	Carbon tetrachloride	ND		250	253	101	250	244	98	4	70-130/30
108-90-7	Chlorobenzene	ND		250	254	102	250	252	101	1	70-130/30
75-00-3	Chloroethane	ND		250	240	96	250	230	92	4	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		250	211	84	250	205	82	3	70-130/30
67-66-3	Chloroform	ND		250	260	104	250	253	101	3	70-130/30
74-87-3	Chloromethane	ND		250	207	83	250	201	80	3	70-130/30
95-49-8	o-Chlorotoluene	ND		250	217	87	250	217	87	0	70-130/30
106-43-4	p-Chlorotoluene	ND		250	219	88	250	220	88	0	70-130/30
124-48-1	Dibromochloromethane	ND		250	245	98	250	245	98	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	231	92	250	234	94	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	231	92	250	231	92	0	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	226	90	250	228	91	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	222	89	250	208	83	7	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	249	100	250	241	96	3	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	223	89	250	218	87	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	236	94	250	223	89	6	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	256	102	250	249	100	3	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	254	102	250	246	98	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	219	88	250	215	86	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	243	97	250	240	96	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	265	106	250	253	101	5	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	229	92	250	223	89	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	218	87	250	217	87	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23063-7MS	K72601.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7MSD	K72602.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7	K72600.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	MC23063-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	219	88	250	216	86	1	70-130/30
123-91-1	1,4-Dioxane	ND		1250	1080	86	1250	1130	90	5	70-130/30
97-63-2	Ethyl methacrylate	ND		250	222	89	250	218	87	2	72-139/30
100-41-4	Ethylbenzene	ND		250	238	95	250	236	94	1	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	234	94	250	235	94	0	70-130/30
591-78-6	2-Hexanone	ND		250	177	71	250	174	70	2	70-130/30
98-82-8	Isopropylbenzene	ND		250	225	90	250	226	90	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	231	92	250	233	93	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	236	94	250	230	92	3	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	191	76	250	188	75	2	70-130/30
74-95-3	Methylene bromide	ND		250	232	93	250	228	91	2	70-130/30
75-09-2	Methylene chloride	ND		250	256	102	250	247	99	4	70-130/30
91-20-3	Naphthalene	1.3		250	264	105	250	269	107	2	70-130/30
103-65-1	n-Propylbenzene	ND		250	224	90	250	223	89	0	70-130/30
100-42-5	Styrene	ND		250	253	101	250	254	102	0	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	258	103	250	258	103	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	224	90	250	225	90	0	70-130/30
127-18-4	Tetrachloroethene	ND		250	263	105	250	264	106	0	70-130/30
108-88-3	Toluene	0.50		250	231	92	250	226	90	2	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	279	112	250	291	116	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	247	99	250	253	101	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	250	100	250	240	96	4	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	227	91	250	219	88	4	70-130/30
79-01-6	Trichloroethene	ND		250	229	92	250	225	90	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	258	103	250	244	98	6	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	193	77	250	190	76	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	1.3		250	231	92	250	231	92	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	226	90	250	229	92	1	70-130/30
108-05-4	Vinyl Acetate	ND		250	214	86	250	209	84	2	70-130/30
75-01-4	Vinyl chloride	ND		250	226	90	250	217	87	4	70-130/30
	m,p-Xylene	ND		500	474	95	500	476	95	0	70-130/30
95-47-6	o-Xylene	ND		250	235	94	250	236	94	0	70-130/30
1330-20-7	Xylene (total)	0.80		750	709	94	750	712	95	0	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23063-7MS	K72601.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7MSD	K72602.D	5	07/30/13	GK	n/a	n/a	MSK2364
MC23063-7	K72600.D	1	07/30/13	GK	n/a	n/a	MSK2364

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Surrogate Recoveries	MS	MSD	MC23063-7	Limits
1868-53-7	Dibromofluoromethane	105%	104%	113%	70-130%
2037-26-5	Toluene-D8	100%	99%	97%	70-130%
460-00-4	4-Bromofluorobenzene	93%	95%	93%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22841-37MS	L76163.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37MSD	L76164.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37	L76149.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	MC22841-37 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	11.1		250	119	43* [a]	250	130	48* [a]	9	70-130/30
107-02-8	Acrolein	ND		1250	1190	95	1250	1280	102	7	70-130/30
107-13-1	Acrylonitrile	ND		250	157	63* [a]	250	168	67* [a]	7	70-130/30
108-86-1	Bromobenzene	ND		250	258	103	250	261	104	1	70-130/30
74-97-5	Bromochloromethane	ND		250	218	87	250	216	86	1	70-130/30
75-27-4	Bromodichloromethane	ND		250	227	91	250	228	91	0	70-130/30
75-25-2	Bromoform	ND		250	221	88	250	230	92	4	70-130/30
74-83-9	Bromomethane	ND		250	223	89	250	246	98	10	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	145	58* [a]	250	160	64* [a]	10	70-130/30
104-51-8	n-Butylbenzene	ND		250	261	104	250	271	108	4	70-130/30
135-98-8	sec-Butylbenzene	ND		250	285	114	250	291	116	2	70-130/30
98-06-6	tert-Butylbenzene	ND		250	283	113	250	281	112	1	70-130/30
75-15-0	Carbon disulfide	ND		250	196	78	250	194	78	1	70-130/30
56-23-5	Carbon tetrachloride	ND		250	228	91	250	237	95	4	70-130/30
108-90-7	Chlorobenzene	ND		250	272	109	250	267	107	2	70-130/30
75-00-3	Chloroethane	ND		250	218	87	250	211	84	3	70-130/30
67-66-3	Chloroform	ND		250	208	83	250	209	84	0	70-130/30
74-87-3	Chloromethane	ND		250	166	66* [a]	250	162	65* [a]	2	70-130/30
95-49-8	o-Chlorotoluene	ND		250	258	103	250	257	103	0	70-130/30
106-43-4	p-Chlorotoluene	ND		250	268	107	250	270	108	1	70-130/30
124-48-1	Dibromochloromethane	ND		250	252	101	250	253	101	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	273	109	250	278	111	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	265	106	250	268	107	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	241	96	250	247	99	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	213	85	250	212	85	0	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	205	82	250	202	81	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	211	84	250	214	86	1	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	242	97	250	239	96	1	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	212	85	250	211	84	0	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	214	86	250	209	84	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	210	84	250	206	82	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	251	100	250	249	100	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	212	85	250	210	84	1	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	242	97	250	239	96	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	190	76	250	194	78	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	207	83	250	212	85	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22841-37MS	L76163.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37MSD	L76164.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37	L76149.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Compound	MC22841-37 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		1250	950	76	1250	1010	81	6	70-130/30
97-63-2	Ethyl methacrylate	ND		250	225	90	250	234	94	4	72-139/30
100-41-4	Ethylbenzene	ND		250	335	134* [a]	250	275	110	20	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	252	101	250	269	108	7	70-130/30
591-78-6	2-Hexanone	ND		250	178	71	250	186	74	4	70-130/30
98-82-8	Isopropylbenzene	ND		250	274	110	250	274	110	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	270	108	250	275	110	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	181	72	250	183	73	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	164	66* [a]	250	175	70	6	70-130/30
74-95-3	Methylene bromide	ND		250	225	90	250	229	92	2	70-130/30
75-09-2	Methylene chloride	ND		250	190	76	250	208	83	9	70-130/30
91-20-3	Naphthalene	ND		250	248	99	250	237	95	5	70-130/30
103-65-1	n-Propylbenzene	ND		250	271	108	250	271	108	0	70-130/30
100-42-5	Styrene	ND		250	256	102	250	253	101	1	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	257	103	250	251	100	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	227	91	250	241	96	6	70-130/30
127-18-4	Tetrachloroethene	ND		250	290	116	250	285	114	2	70-130/30
108-88-3	Toluene	ND		250	237	95	250	224	90	6	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	221	88	250	236	94	7	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	224	90	250	237	95	6	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	246	98	250	244	98	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	223	89	250	230	92	3	70-130/30
79-01-6	Trichloroethene	ND		250	206	82	250	210	84	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	214	86	250	215	86	0	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	235	94	250	248	99	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	283	113	250	256	102	10	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	247	99	250	243	97	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	112	45* [a]	250	120	48* [a]	7	70-130/30
75-01-4	Vinyl chloride	ND		250	169	68* [a]	250	168	67* [a]	1	70-130/30
	m,p-Xylene	ND		500	616	123	500	569	114	8	70-130/30
95-47-6	o-Xylene	ND		250	304	122	250	287	115	6	70-130/30
1330-20-7	Xylene (total)	ND		750	920	123	750	855	114	7	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC22841-37MS	L76163.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37MSD	L76164.D	5	07/30/13	KR	n/a	n/a	MSL3537
MC22841-37	L76149.D	1	07/30/13	KR	n/a	n/a	MSL3537

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-6

CAS No.	Surrogate Recoveries	MS	MSD	MC22841-37	Limits
1868-53-7	Dibromofluoromethane	78%	77%	86%	70-130%
2037-26-5	Toluene-D8	89%	90%	91%	70-130%
460-00-4	4-Bromofluorobenzene	99%	99%	110%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSK2364-CC2349	**Injection Date:**	07/30/13
Lab File ID:	K72592.D	**Injection Time:**	09:08
Instrument ID:	GCMSK	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	320544	8.84	489795	9.69	219173	12.94	243128	15.50	60132	6.42
Upper Limit [a]	641088	9.34	979590	10.19	438346	13.44	486256	16.00	120264	6.92
Lower Limit [b]	160272	8.34	244898	9.19	109587	12.44	121564	15.00	30066	5.92

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSK2364-BS	329119	8.84	495483	9.69	221013	12.94	245955	15.50	61791	6.42
MSK2364-MB	326556	8.84	499615	9.69	207915	12.95	229665	15.50	62604	6.42
ZZZZZZ	318533	8.84	495077	9.69	207202	12.94	223099	15.50	53397	6.42
MC22834-6	320700	8.84	497824	9.69	209451	12.95	227612	15.50	54784	6.42
ZZZZZZ	318185	8.84	495775	9.69	209475	12.95	227266	15.50	57473	6.42
MC23063-7	315918	8.84	490255	9.69	207127	12.95	227071	15.50	54974	6.42
MC23063-7MS	320430	8.84	487202	9.69	219534	12.94	244640	15.50	58048	6.42
MC23063-7MSD	333458	8.84	503292	9.69	222584	12.94	248245	15.50	58675	6.42
ZZZZZZ	345938	8.84	526637	9.69	220526	12.94	246576	15.50	61922	6.42
ZZZZZZ	351026	8.84	520496	9.69	224354	12.95	245895	15.50	61640	6.42
ZZZZZZ	330184	8.84	500727	9.69	220475	12.94	244985	15.50	61439	6.42
ZZZZZZ	332970	8.84	508447	9.69	219135	12.95	245836	15.50	59067	6.42
ZZZZZZ	328972	8.84	496261	9.69	214671	12.95	235203	15.50	57585	6.42
ZZZZZZ	330012	8.84	506267	9.69	210703	12.95	228576	15.50	60120	6.42
MC22834-1	314407	8.84	472708	9.69	203934	12.95	223361	15.50	56194	6.42
MC22834-2	319137	8.84	488448	9.69	204600	12.95	226441	15.50	59090	6.42
MC22834-3	322075	8.84	490581	9.69	207458	12.94	225171	15.50	57134	6.42
MC22834-4	320148	8.84	496157	9.69	210782	12.95	233189	15.50	66713	6.42
MC22834-5	312325	8.84	479212	9.69	204466	12.95	222858	15.50	62442	6.43
ZZZZZZ	314999	8.84	485504	9.69	205334	12.94	224129	15.50	49710	6.42
ZZZZZZ	315661	8.84	492867	9.69	207420	12.95	223862	15.50	48795	6.42
ZZZZZZ	308741	8.84	477769	9.69	203653	12.94	221439	15.50	52240	6.42
ZZZZZZ	298703	8.84	463327	9.69	198679	12.94	215736	15.50	52037	6.42
ZZZZZZ	295815	8.84	461445	9.69	198982	12.95	216406	15.50	52646	6.42

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSL3537-CC3534	**Injection Date:**	07/30/13
Lab File ID:	L76141.D	**Injection Time:**	08:33
Instrument ID:	GCMSL	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	99478	8.06	132933	8.89	69228	12.13	71450	14.68	27078	5.75
Upper Limit [a]	198956	8.56	265866	9.39	138456	12.63	142900	15.18	54156	6.25
Lower Limit [b]	49739	7.56	66467	8.39	34614	11.63	35725	14.18	13539	5.25

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSL3537-BS	105109	8.06	140042	8.89	72455	12.13	74271	14.68	32829	5.75
MSL3537-MB	104362	8.07	138887	8.90	70706	12.13	67181	14.69	36489	5.79
MC22834-6	106821	8.06	142227	8.90	71838	12.13	70133	14.69	31405	5.79
ZZZZZZ	105001	8.06	143376	8.90	70875	12.13	68210	14.69	34256	5.79
ZZZZZZ	104929	8.06	138084	8.90	70282	12.13	67733	14.68	30817	5.79
MC22841-37	103547	8.06	140464	8.90	70497	12.13	66221	14.69	35115	5.79
MC22834-4	102249	8.06	136745	8.90	68886	12.13	65926	14.68	30179	5.79
MC22834-5	102778	8.06	135832	8.90	69093	12.13	66855	14.68	34368	5.79
ZZZZZZ	100661	8.06	128582	8.89	67366	12.13	69471	14.68	34083	5.78
ZZZZZZ	107511	8.21	92723	9.00	73523	12.14	81280	14.68	31596	5.75
ZZZZZZ	111049	8.12	112101	8.94	75584	12.13	81338	14.68	33046	5.74
ZZZZZZ	115175	8.12	116261	8.94	77796	12.13	82840	14.68	30211	5.73
ZZZZZZ	112803	8.06	142810	8.89	73110	12.13	72785	14.68	35753	5.78
MC22834-1	118405	8.11	126283	8.93	79927	12.13	86679	14.68	34473	5.75
MC22834-2	121680	8.07	146112	8.90	77682	12.13	81351	14.68	32423	5.78
MC22834-3	121449	8.07	147670	8.90	78778	12.13	82083	14.68	33107	5.78
ZZZZZZ	120042	8.08	138085	8.92	79280	12.13	85721	14.68	35628	5.73
ZZZZZZ	114085	8.06	150175	8.89	76708	12.13	85592	14.68	54138	5.70
ZZZZZZ	114350	8.06	147597	8.89	73655	12.13	79674	14.68	42291	5.76
MC22841-37MS	114003	8.06	146262	8.89	73467	12.13	78233	14.68	34748	5.75
MC22841-37MSD	113198	8.06	144863	8.89	74017	12.13	77378	14.68	37539	5.76

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22834-1	K72609.D	111	100	94
MC22834-1	L76157.D	80	113	100
MC22834-2	L76158.D	77	97	104
MC22834-2	K72610.D	112	98	93
MC22834-3	L76159.D	77	96	102
MC22834-3	K72611.D	111	98	95
MC22834-4	K72612.D	112	97	138* [a]
MC22834-4	L76150.D	86	91	147* [a]
MC22834-5	K72613.D	112	98	138* [a]
MC22834-5	L76151.D	85	92	148* [a]
MC22834-6	K72598.D	112	96	93
MC22834-6	L76146.D	86	91	107
MC22841-37MS	L76163.D	78	89	99
MC22841-37MSD	L76164.D	77	90	99
MC23063-7MS	K72601.D	105	100	93
MC23063-7MSD	K72602.D	104	99	95
MSK2364-BS	K72593.D	103	100	94
MSK2364-MB	K72596.D	112	96	94
MSL3537-BS	L76142.D	85	90	101
MSL3537-MB	L76145.D	85	90	108

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

(a) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

GC/MS Semi-volatiles

7

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34111-MB	R32490.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	10	1.3	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	0.49	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	0.33	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	2.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	1.2	ug/l	
95-48-7	2-Methylphenol	ND	10	1.3	ug/l	
	3&4-Methylphenol	ND	10	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	10	0.50	ug/l	
100-02-7	4-Nitrophenol	ND	20	0.58	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.3	ug/l	
108-95-2	Phenol	ND	5.0	0.51	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	0.57	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	0.32	ug/l	
62-53-3	Aniline	ND	10	0.64	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.20	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.85	ug/l	
100-51-6	Benzyl Alcohol	ND	10	0.57	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.92	ug/l	
106-47-8	4-Chloroaniline	ND	10	0.25	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.21	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.23	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.13	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.20	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.65	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	0.68	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.50	ug/l	
132-64-9	Dibenzofuran	ND	2.0	0.16	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.39	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	0.43	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	0.50	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.50	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.49	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.30	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34111-MB	R32490.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	Result	RL	MDL	Units	Q
77-47-4	Hexachlorocyclopentadiene	ND	10	2.5	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.44	ug/l	
78-59-1	Isophorone	ND	5.0	0.20	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.50	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.3	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.25	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	0.50	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.81	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.54	ug/l	
110-86-1	Pyridine	ND	10	0.52	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	15-110%
4165-62-2	Phenol-d5	20%	15-110%
118-79-6	2,4,6-Tribromophenol	96%	15-110%
4165-60-0	Nitrobenzene-d5	80%	30-130%
321-60-8	2-Fluorobiphenyl	95%	30-130%
1718-51-0	Terphenyl-d14	92%	30-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34112-MB	W14187.D	1	07/29/13	WK	07/24/13	OP34112	MSW642

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.016	0.10	0.014	ug/l	J
208-96-8	Acenaphthylene	ND	0.10	0.013	ug/l	
120-12-7	Anthracene	ND	0.10	0.018	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	0.030	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	0.017	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	0.038	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.059	ug/l	
218-01-9	Chrysene	ND	0.10	0.073	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.042	ug/l	
206-44-0	Fluoranthene	ND	0.10	0.033	ug/l	
86-73-7	Fluorene	ND	0.10	0.046	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.046	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.20	0.14	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	0.052	ug/l	
85-01-8	Phenanthrene	ND	0.050	0.013	ug/l	
129-00-0	Pyrene	ND	0.10	0.036	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	15-110%
4165-62-2	Phenol-d5	20%	15-110%
118-79-6	2,4,6-Tribromophenol	98%	15-110%
4165-60-0	Nitrobenzene-d5	89%	30-130%
321-60-8	2-Fluorobiphenyl	87%	30-130%
1718-51-0	Terphenyl-d14	96%	30-130%

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34111-BS	R32491.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	10.3	21* [a]	30-130
95-57-8	2-Chlorophenol	50	36.0	72	30-130
59-50-7	4-Chloro-3-methyl phenol	50	39.8	80	30-130
120-83-2	2,4-Dichlorophenol	50	39.0	78	30-130
105-67-9	2,4-Dimethylphenol	50	33.8	68	30-130
51-28-5	2,4-Dinitrophenol	50	34.6	69	30-130
534-52-1	4,6-Dinitro-o-cresol	50	44.8	90	30-130
95-48-7	2-Methylphenol	50	35.5	71	30-130
	3&4-Methylphenol	100	58.4	58	30-130
88-75-5	2-Nitrophenol	50	40.8	82	30-130
100-02-7	4-Nitrophenol	50	17.5	35	30-130
87-86-5	Pentachlorophenol	50	43.5	87	30-130
108-95-2	Phenol	50	18.6	37	30-130
95-95-4	2,4,5-Trichlorophenol	50	46.7	93	30-130
88-06-2	2,4,6-Trichlorophenol	50	44.0	88	30-130
62-53-3	Aniline	50	29.7	59	40-140
101-55-3	4-Bromophenyl phenyl ether	50	44.3	89	40-140
85-68-7	Butyl benzyl phthalate	50	43.4	87	40-140
100-51-6	Benzyl Alcohol	50	24.9	50	40-140
91-58-7	2-Chloronaphthalene	50	38.4	77	40-140
106-47-8	4-Chloroaniline	50	34.1	68	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	32.9	66	40-140
111-44-4	bis(2-Chloroethyl)ether	50	32.5	65	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	33.0	66	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	45.3	91	40-140
122-66-7	1,2-Diphenylhydrazine	50	37.0	74	40-140
121-14-2	2,4-Dinitrotoluene	50	45.6	91	40-140
606-20-2	2,6-Dinitrotoluene	50	43.2	86	40-140
91-94-1	3,3'-Dichlorobenzidine	50	44.0	88	40-140
132-64-9	Dibenzofuran	50	41.3	83	40-140
84-74-2	Di-n-butyl phthalate	50	43.5	87	40-140
117-84-0	Di-n-octyl phthalate	50	47.1	94	40-140
84-66-2	Diethyl phthalate	50	43.3	87	40-140
131-11-3	Dimethyl phthalate	50	39.0	78	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.9	86	40-140
118-74-1	Hexachlorobenzene	50	42.1	84	40-140

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34111-BS	R32491.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
77-47-4	Hexachlorocyclopentadiene	50	13.2	26* [a]	40-140
67-72-1	Hexachloroethane	50	30.1	60	40-140
78-59-1	Isophorone	50	33.3	67	40-140
88-74-4	2-Nitroaniline	50	46.9	94	40-140
99-09-2	3-Nitroaniline	50	44.0	88	40-140
100-01-6	4-Nitroaniline	50	46.5	93	40-140
98-95-3	Nitrobenzene	50	30.2	60	40-140
62-75-9	n-Nitrosodimethylamine	50	22.1	44	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	34.9	70	40-140
86-30-6	N-Nitrosodiphenylamine	50	41.7	83	40-140
110-86-1	Pyridine	50	21.0	42	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	48%	15-110%
4165-62-2	Phenol-d5	19%	15-110%
118-79-6	2,4,6-Tribromophenol	103%	15-110%
4165-60-0	Nitrobenzene-d5	76%	30-130%
321-60-8	2-Fluorobiphenyl	91%	30-130%
1718-51-0	Terphenyl-d14	94%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34112-BS	W14188.D	1	07/29/13	WK	07/24/13	OP34112	MSW642

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	38.2	76	40-140
208-96-8	Acenaphthylene	50	31.6	63	40-140
120-12-7	Anthracene	50	40.1	80	40-140
56-55-3	Benzo(a)anthracene	50	44.4	89	40-140
50-32-8	Benzo(a)pyrene	50	42.0	84	40-140
205-99-2	Benzo(b)fluoranthene	50	45.7	91	40-140
191-24-2	Benzo(g,h,i)perylene	50	46.1	92	40-140
207-08-9	Benzo(k)fluoranthene	50	44.0	88	40-140
218-01-9	Chrysene	50	41.3	83	40-140
53-70-3	Dibenzo(a,h)anthracene	50	46.5	93	40-140
206-44-0	Fluoranthene	50	43.2	86	40-140
86-73-7	Fluorene	50	41.1	82	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.1	90	40-140
90-12-0	1-Methylnaphthalene	50	35.3	71	40-140
91-57-6	2-Methylnaphthalene	50	33.7	67	40-140
85-01-8	Phenanthrene	50	40.8	82	40-140
129-00-0	Pyrene	50	41.2	82	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	48%	15-110%
4165-62-2	Phenol-d5	19%	15-110%
118-79-6	2,4,6-Tribromophenol	103%	15-110%
4165-60-0	Nitrobenzene-d5	85%	30-130%
321-60-8	2-Fluorobiphenyl	85%	30-130%
1718-51-0	Terphenyl-d14	96%	30-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34111-MS	R32485.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184
OP34111-MSD	R32486.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184
MC22900-14	R32487.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184

The QC reported here applies to the following samples: Method: SW846 8270C

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	MC22900-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		500	129	26* a	500	132	26* a	2	30-130/20
95-57-8	2-Chlorophenol	ND		500	426	85	500	393	79	8	30-130/20
59-50-7	4-Chloro-3-methyl phenol	ND		500	438	88	500	417	83	5	30-130/20
120-83-2	2,4-Dichlorophenol	ND		500	465	93	500	425	85	9	30-130/20
105-67-9	2,4-Dimethylphenol	ND		500	387	77	500	369	74	5	30-130/20
51-28-5	2,4-Dinitrophenol	ND		500	390	78	500	378	76	3	30-130/20
534-52-1	4,6-Dinitro-o-cresol	ND		500	490	98	500	477	95	3	30-130/20
95-48-7	2-Methylphenol	ND		500	389	78	500	388	78	0	30-130/20
	3&4-Methylphenol	ND		1000	685	69	1000	640	64	7	30-130/20
88-75-5	2-Nitrophenol	ND		500	486	97	500	460	92	5	30-130/20
100-02-7	4-Nitrophenol	ND		500	179	36	500	178	36	1	30-130/20
87-86-5	Pentachlorophenol	ND		500	439	88	500	435	87	1	30-130/20
108-95-2	Phenol	ND		500	220	44	500	205	41	7	30-130/20
95-95-4	2,4,5-Trichlorophenol	ND		500	534	107	500	506	101	5	30-130/20
88-06-2	2,4,6-Trichlorophenol	ND		500	479	96	500	447	89	7	30-130/20
62-53-3	Aniline	ND		500	357	71	500	344	69	4	40-140/20
101-55-3	4-Bromophenyl phenyl ether	ND		500	466	93	500	458	92	2	40-140/20
85-68-7	Butyl benzyl phthalate	ND		500	450	90	500	444	89	1	40-140/20
100-51-6	Benzyl Alcohol	ND		500	288	58	500	258	52	11	40-140/20
91-58-7	2-Chloronaphthalene	ND		500	450	90	500	421	84	7	40-140/20
106-47-8	4-Chloroaniline	ND		500	402	80	500	385	77	4	40-140/20
111-91-1	bis(2-Chloroethoxy)methane	ND		500	402	80	500	378	76	6	40-140/20
111-44-4	bis(2-Chloroethyl)ether	ND		500	389	78	500	365	73	6	40-140/20
108-60-1	bis(2-Chloroisopropyl)ether	ND		500	398	80	500	376	75	6	40-140/20
7005-72-3	4-Chlorophenyl phenyl ether	ND		500	495	99	500	470	94	5	40-140/20
122-66-7	1,2-Diphenylhydrazine	ND		500	385	77	500	383	77	1	40-140/20
121-14-2	2,4-Dinitrotoluene	ND		500	489	98	500	481	96	2	40-140/20
606-20-2	2,6-Dinitrotoluene	ND		500	459	92	500	453	91	1	40-140/20
91-94-1	3,3'-Dichlorobenzidine	ND		500	464	93	500	461	92	1	40-140/20
132-64-9	Dibenzofuran	ND		500	460	92	500	442	88	4	40-140/20
84-74-2	Di-n-butyl phthalate	ND		500	456	91	500	452	90	1	40-140/20
117-84-0	Di-n-octyl phthalate	ND		500	498	100	500	481	96	3	40-140/20
84-66-2	Diethyl phthalate	ND		500	471	94	500	460	92	2	40-140/20
131-11-3	Dimethyl phthalate	ND		500	428	86	500	414	83	3	40-140/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		500	452	90	500	440	88	3	40-140/20
118-74-1	Hexachlorobenzene	ND		500	446	89	500	440	88	1	40-140/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34111-MS	R32485.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184
OP34111-MSD	R32486.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184
MC22900-14	R32487.D	1	07/30/13	KR	07/24/13	OP34111	MSR1184

The QC reported here applies to the following samples: **Method:** SW846 8270C

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	MC22900-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
77-47-4	Hexachlorocyclopentadiene	ND		500	164	33* [a]	500	150	30* [a]	9	40-140/20
67-72-1	Hexachloroethane	ND		500	373	75	500	335	67	11	40-140/20
78-59-1	Isophorone	ND		500	392	78	500	370	74	6	40-140/20
88-74-4	2-Nitroaniline	ND		500	513	103	500	491	98	4	40-140/20
99-09-2	3-Nitroaniline	ND		500	474	95	500	467	93	1	40-140/20
100-01-6	4-Nitroaniline	ND		500	493	99	500	482	96	2	40-140/20
98-95-3	Nitrobenzene	ND		500	364	73	500	340	68	7	40-140/20
62-75-9	n-Nitrosodimethylamine	ND		500	261	52	500	240	48	8	40-140/20
621-64-7	N-Nitroso-di-n-propylamine	ND		500	401	80	500	377	75	6	40-140/20
86-30-6	N-Nitrosodiphenylamine	ND		500	429	86	500	427	85	0	40-140/20
110-86-1	Pyridine	ND		500	238	48	500	217	43	9	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-14	Limits
367-12-4	2-Fluorophenol	56%	50%	41%	15-110%
4165-62-2	Phenol-d5	22%	19%	15%	15-110%
118-79-6	2,4,6-Tribromophenol	108%	106%	79%	15-110%
4165-60-0	Nitrobenzene-d5	92%	85%	65%	30-130%
321-60-8	2-Fluorobiphenyl	105%	100%	79%	30-130%
1718-51-0	Terphenyl-d14	97%	94%	87%	30-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34112-MS	W14189.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
OP34112-MSD	W14190.D	1	07/29/13	WK	07/24/13	OP34112	MSW642
MC22900-15	W14191.D	1	07/29/13	WK	07/24/13	OP34112	MSW642

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5

CAS No.	Compound	MC22900-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		50	42.2	84	50	40.9	82	3	40-140/20
208-96-8	Acenaphthylene	ND		50	35.0	70	50	33.8	68	3	40-140/20
120-12-7	Anthracene	ND		50	42.3	85	50	41.1	82	3	40-140/20
56-55-3	Benzo(a)anthracene	ND		50	46.0	92	50	44.9	90	2	40-140/20
50-32-8	Benzo(a)pyrene	ND		50	44.1	88	50	43.1	86	2	40-140/20
205-99-2	Benzo(b)fluoranthene	ND		50	46.3	93	50	47.3	95	2	40-140/20
191-24-2	Benzo(g,h,i)perylene	ND		50	48.0	96	50	47.1	94	2	40-140/20
207-08-9	Benzo(k)fluoranthene	ND		50	47.7	95	50	44.8	90	6	40-140/20
218-01-9	Chrysene	ND		50	43.2	86	50	42.0	84	3	40-140/20
53-70-3	Dibenzo(a,h)anthracene	ND		50	48.5	97	50	47.8	96	1	40-140/20
206-44-0	Fluoranthene	ND		50	45.3	91	50	44.2	88	2	40-140/20
86-73-7	Fluorene	ND		50	43.5	87	50	42.8	86	2	40-140/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		50	47.3	95	50	46.6	93	1	40-140/20
90-12-0	1-Methylnaphthalene	ND		50	40.9	82	50	39.6	79	3	40-140/20
91-57-6	2-Methylnaphthalene	ND		50	39.2	78	50	37.3	75	5	40-140/20
85-01-8	Phenanthrene	ND		50	42.3	85	50	41.4	83	2	40-140/20
129-00-0	Pyrene	ND		50	43.0	86	50	41.8	84	3	40-140/20

CAS No.	Surrogate Recoveries	MS	MSD	MC22900-15	Limits
367-12-4	2-Fluorophenol	57%	51%		15-110%
4165-62-2	Phenol-d5	22%	20%		15-110%
118-79-6	2,4,6-Tribromophenol	109%	105%		15-110%
4165-60-0	Nitrobenzene-d5	100%	96%	74%	30-130%
321-60-8	2-Fluorobiphenyl	97%	94%	73%	30-130%
1718-51-0	Terphenyl-d14	101%	97%	89%	30-130%

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1184-CC1159	**Injection Date:**	07/30/13
Lab File ID:	R32474.D	**Injection Time:**	08:33
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	107117	4.30	392530	5.36	236450	6.90	438074	8.31	500908	11.30	475379	12.89
Upper Limit [a]	214234	4.80	785060	5.86	472900	7.40	876148	8.81	1001816	11.80	950758	13.39
Lower Limit [b]	53559	3.80	196265	4.86	118225	6.40	219037	7.81	250454	10.80	237690	12.39

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34128-MB	121123	4.30	441943	5.36	263537	6.90	485268	8.31	541623	11.29	507352	12.88
OP34128-BS	105833	4.30	387150	5.36	234154	6.90	419578	8.31	465868	11.30	433458	12.88
OP34128-MS	104399	4.31	381170	5.36	229470	6.90	407915	8.31	457627	11.30	435629	12.88
OP34128-MSD	114525	4.31	415002	5.36	251371	6.90	446073	8.31	497363	11.30	464681	12.88
MC22932-1	102812	4.31	357596	5.37	235117	6.90	413845	8.31	462325	11.29	426106	12.88
ZZZZZZ	94413	4.30	349533	5.36	206721	6.90	380145	8.31	415761	11.29	383149	12.88
ZZZZZZ	101917	4.30	380246	5.36	224120	6.90	417577	8.31	455311	11.29	421719	12.88
ZZZZZZ	104283	4.30	385602	5.36	228449	6.90	413698	8.31	449195	11.29	412270	12.88
ZZZZZZ	117582	4.30	430298	5.36	258291	6.90	463967	8.31	509267	11.30	471122	12.88
ZZZZZZ	106309	4.30	394170	5.36	237676	6.90	433578	8.31	471070	11.29	428039	12.88
OP34111-MS	121649	4.30	462446	5.36	276360	6.90	513596	8.31	581056	11.30	533528	12.89
OP34111-MSD	122613	4.30	466797	5.36	279772	6.90	514222	8.31	584813	11.29	542895	12.89
MC22900-14	115555	4.30	435497	5.36	263940	6.90	480784	8.31	552100	11.29	517531	12.88
ZZZZZZ	114395	4.30	429723	5.36	261344	6.90	476324	8.31	544575	11.29	517450	12.88
ZZZZZZ	109476	4.30	420112	5.36	254828	6.90	454970	8.31	500166	11.29	458436	12.88
OP34111-MB	111051	4.30	427012	5.36	256695	6.90	474482	8.31	547154	11.29	511909	12.88
OP34111-BS	118175	4.30	452290	5.36	272973	6.90	493467	8.31	560012	11.30	521769	12.89

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1186-CC1159	**Injection Date:**	07/31/13
Lab File ID:	R32530.D	**Injection Time:**	08:10
Instrument ID:	GCMSR	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	104562	4.28	383178	5.34	230793	6.87	425391	8.29	476355	11.27	440549	12.86
Upper Limit [a]	209124	4.78	766356	5.84	461586	7.37	850782	8.79	952710	11.77	881098	13.36
Lower Limit [b]	52281	3.78	191589	4.84	115397	6.37	212696	7.79	238178	10.77	220275	12.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP34178-MB	93209	4.28	342326	5.34	212839	6.87	388323	8.28	434900	11.27	408631	12.86
OP34178-BS	98042	4.28	366141	5.34	224849	6.87	410090	8.28	461692	11.27	432502	12.86
ZZZZZZ	95201	4.28	349488	5.34	211609	6.87	388545	8.28	434838	11.27	404518	12.85
ZZZZZZ	90556	4.28	339634	5.34	204820	6.87	375556	8.28	416808	11.27	388683	12.85
ZZZZZZ	95292	4.28	355196	5.34	215726	6.87	393160	8.28	438223	11.27	401697	12.85
ZZZZZZ	91048	4.28	328095	5.34	197213	6.87	364446	8.28	402804	11.27	369150	12.85
ZZZZZZ	92823	4.29	370360	5.35	310616	6.89	603006	8.29	633299	11.29	645518	12.89
ZZZZZZ	115896	4.28	433038	5.34	263014	6.87	479839	8.28	530873	11.27	494511	12.86
ZZZZZZ	125818	4.29	465987	5.35	277248	6.88	501175	8.29	543053	11.27	507677	12.87
ZZZZZZ	108009	4.28	399889	5.34	241960	6.87	452109	8.28	494746	11.27	460221	12.86
ZZZZZZ	108347	4.28	398128	5.34	242862	6.87	449453	8.28	492986	11.27	459258	12.86
ZZZZZZ	115584	4.28	423870	5.34	255513	6.87	471569	8.28	530053	11.27	482404	12.86
ZZZZZZ	108368	4.28	397336	5.34	243841	6.87	443685	8.28	486313	11.27	455471	12.86
MC22834-1	134821	4.28	505459	5.34	306846	6.87	554363	8.28	607975	11.27	565837	12.86
MC22834-2	137492	4.28	516374	5.34	307472	6.87	565701	8.28	620830	11.27	563315	12.86
MC22834-3	152575	4.28	574901	5.34	344601	6.87	628034	8.28	687167	11.27	623147	12.86
MC22834-4	131571	4.28	505676	5.34	301519	6.87	559524	8.28	620510	11.27	564160	12.86
ZZZZZZ	133936	4.28	497940	5.34	296350	6.87	513730	8.28	522924	11.27	467871	12.86
ZZZZZZ	132700	4.28	487120	5.34	291473	6.87	513907	8.28	511318	11.27	461321	12.85
MC22834-5	143347	4.28	545832	5.34	326185	6.87	605138	8.28	669875	11.27	630530	12.87
ZZZZZZ	136804	4.28	521222	5.34	320969	6.87	590704	8.28	662384	11.27	602980	12.86
ZZZZZZ	142223	4.28	545744	5.34	323588	6.87	589940	8.28	629987	11.27	580979	12.86
ZZZZZZ	143455	4.28	539842	5.34	320303	6.87	577981	8.28	631612	11.27	570970	12.86
ZZZZZZ	145096	4.28	546997	5.34	330173	6.87	598919	8.28	645910	11.27	589729	12.86
ZZZZZZ	151573	4.28	563084	5.34	341577	6.87	623717	8.28	681205	11.27	615538	12.86
OP34178-MS	125639	4.28	467834	5.34	282517	6.87	505064	8.28	536961	11.28	496962	12.88
OP34178-MSD	122510	4.28	463408	5.34	277668	6.87	491361	8.29	526941	11.28	487475	12.88
MC22839-1	119001	4.28	451162	5.34	272656	6.87	487891	8.29	530815	11.28	486471	12.88

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Semivolatile Internal Standard Area Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSR1186-CC1159	**Injection Date:**	07/31/13
Lab File ID:	R32530.D	**Injection Time:**	08:10
Instrument ID:	GCMSR	**Method:**	SW846 8270C

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSW642-CC633	**Injection Date:**	07/29/13
Lab File ID:	W14186.D	**Injection Time:**	09:03
Instrument ID:	GCMSW	**Method:**	SW846 8270C BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	221067	3.60	593849	4.58	296109	6.01	480124	7.28	327425	10.06	771998	11.49
Upper Limit [a]	442134	4.10	1187698	5.08	592218	6.51	960248	7.78	654850	10.56	1543996	11.99
Lower Limit [b]	110534	3.10	296925	4.08	148055	5.51	240062	6.78	163713	9.56	385999	10.99
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP34112-MB	207968	3.60	562459	4.58	279520	6.01	449721	7.28	301922	10.06	713579	11.48
OP34112-BS	201503	3.60	541478	4.58	267075	6.01	434210	7.28	287068	10.06	677409	11.48
OP34112-MS	203060	3.60	550010	4.58	269796	6.01	436873	7.28	288549	10.06	680733	11.49
OP34112-MSD	186726	3.60	496789	4.58	244444	6.01	397160	7.28	263470	10.06	619327	11.49
MC22900-15	172258	3.60	463653	4.58	227572	6.01	366633	7.28	244900	10.05	580137	11.48
MC22834-1	167833	3.60	447768	4.58	220055	6.01	354147	7.28	237740	10.05	564197	11.48
MC22834-2	166992	3.60	449572	4.58	220847	6.01	352765	7.28	237425	10.05	561353	11.48
MC22834-3	193184	3.60	511351	4.58	253763	6.01	400424	7.28	269526	10.06	643741	11.48
MC22834-4	177466	3.60	470663	4.58	232509	6.01	368792	7.28	250533	10.06	600012	11.48
MC22834-5	197935	3.60	530722	4.58	261600	6.01	414693	7.28	278979	10.06	668013	11.49
ZZZZZZ	175951	3.60	470739	4.58	232571	6.01	374541	7.28	250419	10.05	596960	11.48
ZZZZZZ	174176	3.60	465674	4.58	230541	6.01	368615	7.28	246967	10.05	588907	11.48
ZZZZZZ	171200	3.60	457784	4.58	226027	6.01	361852	7.28	244001	10.05	577348	11.48
ZZZZZZ	163201	3.60	434690	4.58	216227	6.01	342048	7.28	233671	10.05	556171	11.48
ZZZZZZ	162376	3.60	428726	4.58	214669	6.01	344535	7.28	237762	10.05	562704	11.48
ZZZZZZ	160377	3.60	426587	4.58	211813	6.01	337162	7.28	228267	10.05	549286	11.48
ZZZZZZ	168678	3.60	437955	4.58	218073	6.01	350327	7.28	238123	10.05	574776	11.48

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC22834-1	R32544.D	54	23	99	87	103	95
MC22834-2	R32545.D	40	18	89	79	93	85
MC22834-3	R32546.D	50	23	96	78	93	82
MC22834-4	R32547.D	43	17	87	72	84	79
MC22834-5	R32550.D	46	20	96	77	93	86
OP34111-BS	R32491.D	48	19	103	76	91	94
OP34111-MB	R32490.D	49	20	96	80	95	92
OP34111-MS	R32485.D	56	22	108	92	105	97
OP34111-MSD	R32486.D	50	19	106	85	100	94

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

Semivolatile Surrogate Recovery Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8270C BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC22834-1	W14192.D	97	97	95
MC22834-2	W14193.D	88	87	86
MC22834-3	W14194.D	86	84	83
MC22834-4	W14195.D	80	80	81
MC22834-5	W14196.D	86	85	88
OP34112-BS	W14188.D	85	85	96
OP34112-MB	W14187.D	89	87	96
OP34112-MS	W14189.D	100	97	101
OP34112-MSD	W14190.D	96	94	97

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	30-130%
S2 = 2-Fluorobiphenyl	30-130%
S3 = Terphenyl-d14	30-130%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries

Method Blank Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-MB	BK27122.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-7

CAS No.	Compound	Result	RL	MDL	Units	Q
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0045	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.015	0.0097	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	Bromofluorobenzene (S)	138%	36-173%
460-00-4	Bromofluorobenzene (S)	123%	36-173%

Blank Spike Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-BS	BK27123.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
96-12-8	1,2-Dibromo-3-chloropropane	0.071	0.085	120	60-140
106-93-4	1,2-Dibromoethane	0.071	0.077	108	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	Bromofluorobenzene (S)	125%	36-173%
460-00-4	Bromofluorobenzene (S)	107%	36-173%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34095-MS	BK27124.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
OP34095-MSD	BK27125.D	1	07/25/13	NK	07/23/13	OP34095	GBK930
MC22692-3	BK27129.D	1	07/25/13	NK	07/23/13	OP34095	GBK930

The QC reported here applies to the following samples: **Method:** SW846 8011

MC22834-1, MC22834-2, MC22834-3, MC22834-4, MC22834-5, MC22834-7

CAS No.	Compound	MC22692-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
96-12-8	1,2-Dibromo-3-chloropropane	ND		0.0677	0.060	89	0.0675	0.057	84	5	64-141/29
106-93-4	1,2-Dibromoethane	ND		0.0677	0.071	105	0.0675	0.073	108	3	63-163/27

CAS No.	Surrogate Recoveries	MS	MSD	MC22692-3	Limits
460-00-4	Bromofluorobenzene (S)	89%	87%	123%	36-173%
460-00-4	Bromofluorobenzene (S)	76%	64%	91%	36-173%

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8011 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC22834-1	BK27141.D	108	110
MC22834-2	BK27142.D	120	93
MC22834-3	BK27143.D	133	118
MC22834-4	BK27144.D	88	58
MC22834-5	BK27146.D	91	56
MC22834-7	BK27145.D	74	65
OP34095-BS	BK27123.D	125	107
OP34095-MB	BK27122.D	138	123
OP34095-MS	BK27124.D	89	76
OP34095-MSD	BK27125.D	87	64

Surrogate Compounds	Recovery Limits
S1 = Bromofluorobenzene (S)	36-173%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27116A.D	**Injection Time:**	05:10
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27117.D	07/25/13	05:36	4.58	4.94
ZZZZZZ	BK27118.D	07/25/13	06:00	4.58	4.94
ZZZZZZ	BK27119.D	07/25/13	06:24	4.58	4.94
ZZZZZZ	BK27120.D	07/25/13	06:48	4.58	4.94
ZZZZZZ	BK27121.D	07/25/13	07:12	4.58	4.94
OP34095-MB	BK27122.D	07/25/13	07:35	4.58	4.94
OP34095-BS	BK27123.D	07/25/13	07:59	4.58	4.94
OP34095-MS	BK27124.D	07/25/13	08:23	4.58	4.94
OP34095-MSD	BK27125.D	07/25/13	08:47	4.58	4.94
ZZZZZZ	BK27126.D	07/25/13	09:11	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC22834
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	GBK930-CC929	**Injection Date:**	07/25/13
Lab File ID:	BK27138.D	**Injection Time:**	14:02
Instrument ID:	GCBK	**Method:**	SW846 8011

	S1 [a] RT	S1 [b] RT
Check Std	4.58	4.94

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
ZZZZZZ	BK27139.D	07/25/13	14:26	4.58	4.94
ZZZZZZ	BK27140.D	07/25/13	14:51	4.58	4.94
MC22834-1	BK27141.D	07/25/13	15:15	4.58	4.94
MC22834-2	BK27142.D	07/25/13	15:39	4.58	4.94
MC22834-3	BK27143.D	07/25/13	16:04	4.58	4.94
MC22834-4	BK27144.D	07/25/13	16:28	4.58	4.94
MC22834-7	BK27145.D	07/25/13	16:52	4.58	4.94
MC22834-5	BK27146.D	07/25/13	17:16	4.58	4.94
GBK930-ECC929	BK27147.D	07/25/13	17:41	4.58	4.94

Surrogate Compounds

S1 = Bromofluorobenzene (S)

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

e-Hardcopy 2.0
Automated Report

Technical Report for

Shell Oil

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana,

SGS Accutest Job Number: MC23430

Sampling Date: 08/08/13

Report to:

AECOM, INC.

Melissa.mansker@aecom.com

ATTN: Melissa Mansker

Total number of pages in report: 40

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

SGS ACCUTEST

October 25, 2016

AECOM
1001 Highlands Plaza Drive West Suite 300
St. Louis, MO 63110

RE: SGS Accutest Job # MC23430

Dear Elizabeth Kunkel

As you are aware, SGS Accutest Inc. - Marlborough has been conducting an extensive review of data associated with some historical Gas Chromatography-Mass Spectroscopy volatiles analyses. As a result of this review it was determined that some revisions of the original test report for this job were needed. These corrections have been incorporated into the revised report.

Please be assured that corrective actions have been put in place to address this matter and prevent a recurrence.

We apologize for any inconvenience that this issue may have caused. Please don't hesitate to contact us if we can be of further assistance.

Sincerely,

H. (Brad) Madadian

Regional Laboratory Director
SGS Accutest Inc. - Marlborough

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

Shell Oil

Job No: MC23430

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
MC23430-1	08/08/13	11:05	EADC	08/09/13	AQ	Ground Water	P93C-ROX-080813
MC23430-2	08/08/13	00:00	EADC	08/09/13	AQ	Ground Water	TB-ROX-080813-HCL

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: She O **Job No** MC23430

Site: URSMOSTL:Roxana 3Q 3 GW/ 2 562850 03003 900 South Centra **Report Date** 0/25/20 6 : 5:42 P

2 Samp e(s), 0 Tr p B ank(s) and 0 F e d B ank(s) were co ected on 08/08/20 3 and were rece ved at SGS Accutest New Eng and on 08/09/20 3 proper y preserved, at 0 8 Deg C and ntact These Samp es rece ved a job number of MC23430 A st ng of the Laboratory Samp e ID, C ent Samp e ID and dates of co ect on are presented n the Resu ts Summary Sect on of th s repo t - Ch orohexane was searched n the brary search and reported on y f detect ons were found

Except as noted be ow, a method spec f ed ca brat ons and qua ty contro performance cr ter a were met for th s job For more nformat on, p ease refer to QC summary pages

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** MSV845

- A samp es were ana yzed w th n the recommended method ho d ng t me
- Samp e(s) MC23378-2MS, MC23378-2MSD were used as the QC samp es nd cated
- A method b anks for th s batch meet method spec f c cr ter a
- B ank Sp ke Recove y(s) for 2-Ch oroethy v ny ether are outs de contro m ts
- Matr x Sp ke Recovery(s) for 2,2-D ch oropropane, 2-Ch oroethy v ny ether, Bromod ch oromethane, Bromomethane, Carbon tetrach or de, Ch oroethane, Methy ene brom de, Styrene, Acro e n are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference Refer to B ank Sp ke
- Matr x Sp ke Dup cate Recovery(s) for 2,2-D ch oropropane, 2-Butanone (MEK), Acetone, Acro e n, Bromomethane, Ch oroethane, 2-Ch oroethy v ny ether are outs de contro m ts H gh RPD due to poss b e matr x nterference and/or samp e non-homogene ty
- Matr x Sp ke Recovery(s) for c s- ,2-D ch oroethene are outs de contro m ts Outs de contro m ts due to h gh eve n samp e re at ve to sp ke amount
- RPD(s) for MSD for 2-Ch oroethy v ny ether are outs de contro m ts for samp e MC23378-2MSD H gh RPD due to poss b e matr x nterference and/or samp e non-homogene ty
- 2-Ch oroethy v ny ether: In t a Ca brat on Ver f cat on outs de of acceptance cr ter a Samp e resu t may be b ased ow
- ,2-D ch oroethane: Cont nu ng Ca brat on outs de of acceptance cr ter a Samp e resu t may be b ased ow
- MSV845-BS for Acro e n: Outs de contro m ts Assoc ated samp es are non-detect for th s compound
- MC23378-2MS for Acro e n: Outs de contro m ts Assoc ated samp es are non-detect for th s compound

Matrix: AQ **Batch ID:** MSV846

- A samp es were ana yzed w th n the recommended method ho d ng t me
- A method b anks for th s batch meet method spec f c cr ter a
- Samp e(s) MC23458-4MS, MC23458-4MSD were used as the QC samp es nd cated
- B ank Sp ke Recove y(s) for 2,2-D ch oropropane, 2-Ch oroethy v ny ether are outs de contro m ts
- Matr x Sp ke/Matr x Sp ke Dup cate Recovery(s) for 2-Ch oroethy v ny ether, are outs de contro m ts Outs de contro m ts due to poss b e matr x nterference
- MSV846-BS for Acro e n: Outs de contro m ts Assoc ated samp es are non-detect for th s compound
- MC23430- for 2-Ch oroethy v ny ether: In t a Ca brat on Ver f cat on outs de of acceptance cr ter a Samp e resu t may be b ased ow
- MC23458-4MS for Acro e n: Outs de contro m ts Assoc ated samp es are non-detect for th s compound

SGS Accutest New Eng and ce t f es that a ana ys s were performed w th n method spec f cat on It s further recommended that th s report to be used n ts ent rety The Laborato y D rector for SGS Accutest New Eng and or ass gnee as ver f ed by the s gnature on the cover page has author zed the re ease of th s report(MC23430)

Summary of Hits

Job Number: MC23430
Account: Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Collected: 08/08/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC23430-1	P93C-ROX-080813					
Benzene		19100	25	23	ug/l	SW846 8260B
MC23430-2	TB-ROX-080813-HCL					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	P93C-ROX-080813		
Lab Sample ID:	MC23430-1	**Date Sampled:**	08/08/13
Matrix:	AQ - Ground Water	**Date Received:**	08/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V21902.D	50	08/14/13	AMY	n/a	n/a	MSV846
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	140	ug/l	
107-02-8	Acrolein	ND	1300	310	ug/l	
107-13-1	Acrylonitrile	ND	250	180	ug/l	
71-43-2	Benzene	19100	25	23	ug/l	
108-86-1	Bromobenzene	ND	250	22	ug/l	
74-97-5	Bromochloromethane	ND	250	32	ug/l	
75-27-4	Bromodichloromethane	ND	50	17	ug/l	
75-25-2	Bromoform	ND	50	21	ug/l	
74-83-9	Bromomethane	ND	100	76	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	80	ug/l	
104-51-8	n-Butylbenzene	ND	250	27	ug/l	
135-98-8	sec-Butylbenzene	ND	250	29	ug/l	
98-06-6	tert-Butylbenzene	ND	250	44	ug/l	
75-15-0	Carbon disulfide	ND	250	30	ug/l	
56-23-5	Carbon tetrachloride	ND	50	31	ug/l	
108-90-7	Chlorobenzene	ND	50	24	ug/l	
75-00-3	Chloroethane	ND	100	42	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	250	56	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
74-87-3	Chloromethane	ND	100	72	ug/l	
95-49-8	o-Chlorotoluene	ND	250	27	ug/l	
106-43-4	p-Chlorotoluene	ND	250	24	ug/l	
124-48-1	Dibromochloromethane	ND	50	16	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	17	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	15	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	60	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	19	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	18	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	33	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	27	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	27	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-080813		
Lab Sample ID:	MC23430-1	**Date Sampled:**	08/08/13
Matrix:	AQ - Ground Water	**Date Received:**	08/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	100	23	ug/l	
142-28-9	1,3-Dichloropropane	ND	250	48	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	63	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	32	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	11	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	14	ug/l	
123-91-1	1,4-Dioxane	ND	1300	780	ug/l	
97-63-2	Ethyl methacrylate	ND	250	40	ug/l	
100-41-4	Ethylbenzene	ND	50	19	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	63	ug/l	
591-78-6	2-Hexanone	ND	250	110	ug/l	
98-82-8	Isopropylbenzene	ND	250	32	ug/l	
99-87-6	p-Isopropyltoluene	ND	250	27	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	22	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	64	ug/l	
74-95-3	Methylene bromide	ND	250	21	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
91-20-3	Naphthalene	ND	250	39	ug/l	
103-65-1	n-Propylbenzene	ND	250	29	ug/l	
100-42-5	Styrene	ND	250	24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	23	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	21	ug/l	
127-18-4	Tetrachloroethene	ND	50	31	ug/l	
108-88-3	Toluene	ND	50	23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	38	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	47	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	25	ug/l	
79-01-6	Trichloroethene	ND	50	22	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	31	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	35	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	250	23	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	250	54	ug/l	
108-05-4	Vinyl Acetate	ND	250	66	ug/l	
75-01-4	Vinyl chloride	ND	50	30	ug/l	
	m,p-Xylene	ND	50	35	ug/l	
95-47-6	o-Xylene	ND	50	20	ug/l	
1330-20-7	Xylene (total)	ND	50	20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P93C-ROX-080813		
Lab Sample ID:	MC23430-1	**Date Sampled:**	08/08/13
Matrix:	AQ - Ground Water	**Date Received:**	08/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-080813-HCL		
Lab Sample ID:	MC23430-2	**Date Sampled:**	08/08/13
Matrix:	AQ - Ground Water	**Date Received:**	08/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V21880.D	1	08/13/13	AMY	n/a	n/a	MSV845
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether [a]	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane [b]	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-080813-HCL		
Lab Sample ID:	MC23430-2	**Date Sampled:**	08/08/13
Matrix:	AQ - Ground Water	**Date Received:**	08/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-ROX-080813-HCL		
Lab Sample ID:	MC23430-2	**Date Sampled:**	08/08/13
Matrix:	AQ - Ground Water	**Date Received:**	08/09/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL		

VOA Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	93%		70-130%
460-00-4	4-Bromofluorobenzene	111%		70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Initial Calibration Verification outside of acceptance criteria. Sample result may be biased low.
(b) Continuing Calibration outside of acceptance criteria. Sample result may be biased low.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

Shell Oil Products Chain Of Custody Record

URS

LAB (LOCATION)

- ☐ XENCO ( )
- ☐ CALSCIENCE ( )
- ☑ OTHER (Accutest Labs; 495 Technology Ctr W Marlborough, MA 01752 (508-481-6200))
- ☐ Lab Vendor # ( )
- ☐ SPL ( )

Lab Vendor #

Please Check Appropriate Box:

- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☐ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER ______

Print Bill To Contact Name: Bob Billman

PO #

INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0

☐ CHECK IF NO INCIDENT # APPLIES

SAP #: 3 4 0 0 6 1

DATE: 8-8-13

PAGE: 1 of 1

SAMPLING COMPANY: URS CORPORATION	LOG CODE:
ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300; ST. LOUIS, MO 63110	
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Wendy Pennington, Bob Billman	
TELEPHONE: 314-429-0100	FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@urs.com; elizabeth.kunkel@urs.com; wendy.pennington@urs.com	

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA	State: IL
GLOBAL ID NO.:	
EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:
E-MAIL:	CONSULTANT PROJECT NO.: Roxana Quarterly GW / 21562850.03003
SAMPLER NAME(S) (Print): E. Arthur / D. Chase	LAB USE ONLY: MC23430

TURNAROUND TIME (CALENDAR DAYS): ☐ STANDARD (10 DAY) ☑ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

DELIVERABLES: ☐ LEVEL 1 ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

- Please include "J" values on Reports.
- Please provide sample receipt upon login.

5 DAY TURNAROUND TIME

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED
- ☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260B SL+TICS	VOC 8011 SL	PID (ppm)	FIELD NOTES: TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
-1	P93C-ROX-080813	8/8/13	11:05	H_2O	2					2	X		0.0	
-2	TB-ROX-080813-HCL	8/8/13	/	H_2O	2					2	X			
														2L1

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FED EX	8/8/13	1700
FED EX	[signature]	8/9/13	9:30

05/2/06 Revision

Rec 0.8 c

MC23430: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC23430 **Client:** URS **Immediate Client Services Action Required:** No

Date / Time Received: 8/9/2013 **Delivery Method:** **Client Service Action Required at Login:** No

Project: 900 SO CENTRAL **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

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MC23430: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

Shell Oil

Job No: MC23430

URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC23430-1 Collected: 08-AUG-13 11:05 By: EADC Received: 09-AUG-13 By: P93C-ROX-080813						
MC23430-1	SW846 8260B	14-AUG-13 14:33	AMY			V8260SL+
MC23430-2 Collected: 08-AUG-13 00:00 By: EADC Received: 09-AUG-13 By: TB-ROX-080813-HCL						
MC23430-2	SW846 8260B	13-AUG-13 16:06	AMY			V8260SL+

SGS Accutest Internal Chain of Custody

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL
Received: 08/09/13

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC23430-1.1	VOC Ref #2	Amy Min Yang	08/13/13 14:44	Retrieve from Storage
MC23430-1.1	Amy Min Yang	GCMSV	08/13/13 14:44	Load on Instrument
MC23430-1.1	GCMSV	Amy Min Yang	08/15/13 11:38	Unload from Instrument
MC23430-1.1	Amy Min Yang	VOC Ref #2	08/15/13 11:38	Return to Storage
MC23430-1.1	Scott Parsick		10/04/13 13:50	Disposed
MC23430-2.1	VOC Ref #2	Amy Min Yang	08/13/13 14:44	Retrieve from Storage
MC23430-2.1	Amy Min Yang	GCMSV	08/13/13 14:44	Load on Instrument
MC23430-2.1	GCMSV	Amy Min Yang	08/15/13 11:38	Unload from Instrument
MC23430-2.1	Amy Min Yang	VOC Ref #2	08/15/13 11:38	Return to Storage
MC23430-2.1	Scott Parsick		10/04/13 13:50	Disposed

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV845-MB	V21871.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV845-MB	V21871.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV845-MB	V21871.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV846-MB	V21893.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.8	ug/l	
107-02-8	Acrolein	ND	25	6.3	ug/l	
107-13-1	Acrylonitrile	ND	5.0	3.5	ug/l	
71-43-2	Benzene	ND	0.50	0.45	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.64	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.33	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.54	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.58	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.87	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.59	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.62	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.48	ug/l	
75-00-3	Chloroethane	ND	2.0	0.84	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.1	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	2.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.55	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.48	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.33	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.35	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.30	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.26	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.37	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.45	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.97	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.3	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.63	ug/l	

Method Blank Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV846-MB	V21893.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-1

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.29	ug/l	
123-91-1	1,4-Dioxane	ND	25	16	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	0.81	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.3	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	0.64	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.55	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.43	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.41	ug/l	
91-20-3	Naphthalene	ND	5.0	0.79	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.59	ug/l	
100-42-5	Styrene	ND	5.0	0.49	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.46	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.42	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.61	ug/l	
108-88-3	Toluene	ND	1.0	0.46	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.76	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.94	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.49	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.45	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.61	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.70	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	0.47	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	1.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.61	ug/l	
	m,p-Xylene	ND	1.0	0.70	ug/l	
95-47-6	o-Xylene	ND	1.0	0.41	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.41	ug/l	

Method Blank Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV846-MB	V21893.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV845-BS	V21868.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	49.3	99	70-130
107-02-8	Acrolein	250	444	178* [a]	70-130
107-13-1	Acrylonitrile	50	53.5	107	70-130
71-43-2	Benzene	50	46.3	93	70-130
108-86-1	Bromobenzene	50	51.0	102	70-130
74-97-5	Bromochloromethane	50	59.8	120	70-130
75-27-4	Bromodichloromethane	50	51.8	104	70-130
75-25-2	Bromoform	50	47.7	95	70-130
74-83-9	Bromomethane	50	61.2	122	70-130
78-93-3	2-Butanone (MEK)	50	50.1	100	70-130
104-51-8	n-Butylbenzene	50	51.1	102	70-130
135-98-8	sec-Butylbenzene	50	53.4	107	70-130
98-06-6	tert-Butylbenzene	50	50.7	101	70-130
75-15-0	Carbon disulfide	50	57.5	115	70-130
56-23-5	Carbon tetrachloride	50	47.7	95	70-130
108-90-7	Chlorobenzene	50	47.0	94	70-130
75-00-3	Chloroethane	50	61.5	123	70-130
110-75-8	2-Chloroethyl vinyl ether	50	33.3	67* [b]	70-130
67-66-3	Chloroform	50	53.6	107	70-130
74-87-3	Chloromethane	50	54.3	109	70-130
95-49-8	o-Chlorotoluene	50	46.9	94	70-130
106-43-4	p-Chlorotoluene	50	47.7	95	70-130
124-48-1	Dibromochloromethane	50	47.2	94	70-130
95-50-1	1,2-Dichlorobenzene	50	43.9	88	70-130
541-73-1	1,3-Dichlorobenzene	50	45.9	92	70-130
106-46-7	1,4-Dichlorobenzene	50	44.8	90	70-130
75-71-8	Dichlorodifluoromethane	50	43.5	87	70-130
75-34-3	1,1-Dichloroethane	50	57.4	115	70-130
107-06-2	1,2-Dichloroethane	50	40.6	81	70-130
75-35-4	1,1-Dichloroethene	50	59.0	118	70-130
156-59-2	cis-1,2-Dichloroethene	50	53.8	108	70-130
156-60-5	trans-1,2-Dichloroethene	50	53.5	107	70-130
78-87-5	1,2-Dichloropropane	50	54.4	109	70-130
142-28-9	1,3-Dichloropropane	50	49.8	100	70-130
594-20-7	2,2-Dichloropropane	50	64.0	128	70-130
563-58-6	1,1-Dichloropropene	50	42.4	85	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV845-BS	V21868.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-01-5	cis-1,3-Dichloropropene	50	47.6	95	70-130
10061-02-6	trans-1,3-Dichloropropene	50	48.5	97	70-130
123-91-1	1,4-Dioxane	250	260	104	70-130
97-63-2	Ethyl methacrylate	50	50.7	101	77-137
100-41-4	Ethylbenzene	50	50.1	100	70-130
87-68-3	Hexachlorobutadiene	50	47.9	96	70-130
591-78-6	2-Hexanone	50	51.8	104	70-130
98-82-8	Isopropylbenzene	50	52.9	106	70-130
99-87-6	p-Isopropyltoluene	50	54.8	110	70-130
1634-04-4	Methyl Tert Butyl Ether	50	52.1	104	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	54.2	108	70-130
74-95-3	Methylene bromide	50	55.7	111	70-130
75-09-2	Methylene chloride	50	53.7	107	70-130
91-20-3	Naphthalene	50	45.5	91	70-130
103-65-1	n-Propylbenzene	50	52.2	104	70-130
100-42-5	Styrene	50	55.5	111	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	50.5	101	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	51.6	103	70-130
127-18-4	Tetrachloroethene	50	55.8	112	70-130
108-88-3	Toluene	50	53.4	107	70-130
87-61-6	1,2,3-Trichlorobenzene	50	47.8	96	70-130
120-82-1	1,2,4-Trichlorobenzene	50	48.1	96	70-130
71-55-6	1,1,1-Trichloroethane	50	59.0	118	70-130
79-00-5	1,1,2-Trichloroethane	50	52.1	104	70-130
79-01-6	Trichloroethene	50	49.3	99	70-130
75-69-4	Trichlorofluoromethane	50	55.0	110	70-130
96-18-4	1,2,3-Trichloropropane	50	50.8	102	70-130
95-63-6	1,2,4-Trimethylbenzene	50	50.3	101	70-130
108-67-8	1,3,5-Trimethylbenzene	50	51.0	102	70-130
108-05-4	Vinyl Acetate	50	46.4	93	70-130
75-01-4	Vinyl chloride	50	43.3	87	70-130
	m,p-Xylene	100	99.3	99	70-130
95-47-6	o-Xylene	50	50.9	102	70-130
1330-20-7	Xylene (total)	150	150	100	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV845-BS	V21868.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	70-130%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV846-BS	V21889.D	1	08/14/13	AMY	n/a	n/a	MSV846
MSV846-BSD	V21890.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	65.1	130	64.3	129	1	70-130/25
107-02-8	Acrolein	250	467	187* [a]	479	192* [a]	3	70-130/25
107-13-1	Acrylonitrile	50	55.0	110	56.5	113	3	70-130/25
71-43-2	Benzene	50	51.2	102	50.9	102	1	70-130/25
108-86-1	Bromobenzene	50	48.1	96	47.8	96	1	70-130/25
74-97-5	Bromochloromethane	50	58.5	117	58.3	117	0	70-130/25
75-27-4	Bromodichloromethane	50	52.1	104	51.6	103	1	70-130/25
75-25-2	Bromoform	50	47.1	94	47.7	95	1	70-130/25
74-83-9	Bromomethane	50	50.6	101	48.5	97	4	70-130/25
78-93-3	2-Butanone (MEK)	50	56.0	112	57.6	115	3	70-130/25
104-51-8	n-Butylbenzene	50	53.9	108	53.1	106	1	70-130/25
135-98-8	sec-Butylbenzene	50	51.2	102	50.7	101	1	70-130/25
98-06-6	tert-Butylbenzene	50	48.0	96	47.5	95	1	70-130/25
75-15-0	Carbon disulfide	50	59.4	119	57.4	115	3	70-130/25
56-23-5	Carbon tetrachloride	50	57.1	114	55.4	111	3	70-130/25
108-90-7	Chlorobenzene	50	45.7	91	45.0	90	2	70-130/25
75-00-3	Chloroethane	50	50.4	101	48.7	97	3	70-130/25
110-75-8	2-Chloroethyl vinyl ether	50	29.1	58* [b]	30.2	60* [b]	4	70-130/25
67-66-3	Chloroform	50	53.5	107	52.2	104	2	70-130/25
74-87-3	Chloromethane	50	52.4	105	51.1	102	3	70-130/25
95-49-8	o-Chlorotoluene	50	45.5	91	45.1	90	1	70-130/25
106-43-4	p-Chlorotoluene	50	47.7	95	47.3	95	1	70-130/25
124-48-1	Dibromochloromethane	50	46.2	92	46.2	92	0	70-130/25
95-50-1	1,2-Dichlorobenzene	50	44.8	90	45.1	90	1	70-130/25
541-73-1	1,3-Dichlorobenzene	50	45.4	91	45.2	90	0	70-130/25
106-46-7	1,4-Dichlorobenzene	50	45.2	90	45.6	91	1	70-130/25
75-71-8	Dichlorodifluoromethane	50	39.8	80	39.8	80	0	70-130/25
75-34-3	1,1-Dichloroethane	50	58.9	118	58.2	116	1	70-130/25
107-06-2	1,2-Dichloroethane	50	45.7	91	45.3	91	1	70-130/25
75-35-4	1,1-Dichloroethene	50	60.2	120	58.1	116	4	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	54.2	108	53.7	107	1	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	54.0	108	53.1	106	2	70-130/25
78-87-5	1,2-Dichloropropane	50	53.7	107	54.0	108	1	70-130/25
142-28-9	1,3-Dichloropropane	50	47.8	96	48.3	97	1	70-130/25
594-20-7	2,2-Dichloropropane	50	67.3	135* [b]	64.8	130	4	70-130/25
563-58-6	1,1-Dichloropropene	50	51.7	103	50.7	101	2	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV846-BS	V21889.D	1	08/14/13	AMY	n/a	n/a	MSV846
MSV846-BSD	V21890.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: Method: SW846 8260B

MC23430-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	50	47.7	95	47.4	95	1	70-130/25
10061-02-6	trans-1,3-Dichloropropene	50	48.7	97	48.6	97	0	70-130/25
123-91-1	1,4-Dioxane	250	247	99	261	104	6	70-130/25
97-63-2	Ethyl methacrylate	50	48.0	96	49.9	100	4	77-137/25
100-41-4	Ethylbenzene	50	49.5	99	48.7	97	2	70-130/25
87-68-3	Hexachlorobutadiene	50	48.9	98	47.7	95	2	70-130/25
591-78-6	2-Hexanone	50	55.7	111	57.0	114	2	70-130/25
98-82-8	Isopropylbenzene	50	49.1	98	49.0	98	0	70-130/25
99-87-6	p-Isopropyltoluene	50	55.2	110	54.6	109	1	70-130/25
1634-04-4	Methyl Tert Butyl Ether	50	49.1	98	50.4	101	3	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	52.5	105	55.1	110	5	70-130/25
74-95-3	Methylene bromide	50	55.2	110	55.5	111	1	70-130/25
75-09-2	Methylene chloride	50	54.7	109	54.6	109	0	70-130/25
91-20-3	Naphthalene	50	46.7	93	49.1	98	5	70-130/25
103-65-1	n-Propylbenzene	50	50.3	101	50.2	100	0	70-130/25
100-42-5	Styrene	50	54.5	109	54.3	109	0	70-130/25
630-20-6	1,1,1,2-Tetrachloroethane	50	49.6	99	49.3	99	1	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	48.3	97	50.3	101	4	70-130/25
127-18-4	Tetrachloroethene	50	54.6	109	53.5	107	2	70-130/25
108-88-3	Toluene	50	53.2	106	52.5	105	1	70-130/25
87-61-6	1,2,3-Trichlorobenzene	50	49.0	98	51.0	102	4	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	48.8	98	50.0	100	2	70-130/25
71-55-6	1,1,1-Trichloroethane	50	58.4	117	56.9	114	3	70-130/25
79-00-5	1,1,2-Trichloroethane	50	51.1	102	52.1	104	2	70-130/25
79-01-6	Trichloroethene	50	48.6	97	48.0	96	1	70-130/25
75-69-4	Trichlorofluoromethane	50	48.1	96	45.9	92	5	70-130/25
96-18-4	1,2,3-Trichloropropane	50	49.6	99	51.7	103	4	70-130/25
95-63-6	1,2,4-Trimethylbenzene	50	47.8	96	47.2	94	1	70-130/25
108-67-8	1,3,5-Trimethylbenzene	50	49.4	99	48.7	97	1	70-130/25
108-05-4	Vinyl Acetate	50	46.7	93	47.2	94	1	70-130/25
75-01-4	Vinyl chloride	50	38.7	77	37.2	74	4	70-130/25
	m,p-Xylene	100	97.9	98	96.2	96	2	70-130/25
95-47-6	o-Xylene	50	50.2	100	49.4	99	2	70-130/25
1330-20-7	Xylene (total)	150	148	99	146	97	1	70-130/25

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSV846-BS	V21889.D	1	08/14/13	AMY	n/a	n/a	MSV846
MSV846-BSD	V21890.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	96%	95%	70-130%
2037-26-5	Toluene-D8	102%	102%	70-130%
460-00-4	4-Bromofluorobenzene	95%	96%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits. Blank Spike meets program technical requirements.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23378-2MS	V21883.D	10	08/13/13	AMY	n/a	n/a	MSV845
MC23378-2MSD	V21884.D	10	08/13/13	AMY	n/a	n/a	MSV845
MC23378-2	V21881.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Compound	MC23378-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		500	352	70	500	341	68* a	3	70-130/30
107-02-8	Acrolein	ND		2500	4410	176* b	2500	4650	186* b	5	70-130/30
107-13-1	Acrylonitrile	ND		500	519	104	500	548	110	5	70-130/30
71-43-2	Benzene	1.6		500	516	103	500	614	122	17	70-130/30
108-86-1	Bromobenzene	ND		500	492	98	500	498	100	1	70-130/30
74-97-5	Bromochloromethane	ND		500	578	116	500	628	126	8	70-130/30
75-27-4	Bromodichloromethane	ND		500	681	136* a	500	547	109	22	70-130/30
75-25-2	Bromoform	ND		500	529	106	500	484	97	9	70-130/30
74-83-9	Bromomethane	ND		500	676	135* a	500	694	139* a	3	70-130/30
78-93-3	2-Butanone (MEK)	ND		500	650	130	500	670	134* a	3	70-130/30
104-51-8	n-Butylbenzene	ND		500	587	117	500	556	111	5	70-130/30
135-98-8	sec-Butylbenzene	ND		500	555	111	500	534	107	4	70-130/30
98-06-6	tert-Butylbenzene	ND		500	506	101	500	500	100	1	70-130/30
75-15-0	Carbon disulfide	ND		500	561	112	500	571	114	2	70-130/30
56-23-5	Carbon tetrachloride	ND		500	665	133* a	500	580	116	14	70-130/30
108-90-7	Chlorobenzene	ND		500	459	92	500	472	94	3	70-130/30
75-00-3	Chloroethane	ND		500	675	135* a	500	692	138* a	2	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		500	231	46* a	500	97.7	20* a	81* c	70-130/30
67-66-3	Chloroform	ND		500	559	112	500	571	114	2	70-130/30
74-87-3	Chloromethane	ND		500	624	125	500	625	125	0	70-130/30
95-49-8	o-Chlorotoluene	ND		500	442	88	500	477	95	8	70-130/30
106-43-4	p-Chlorotoluene	ND		500	525	105	500	496	99	6	70-130/30
124-48-1	Dibromochloromethane	ND		500	471	94	500	474	95	1	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		500	524	105	500	470	94	11	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		500	488	98	500	475	95	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		500	466	93	500	473	95	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		500	453	91	500	481	96	6	70-130/30
75-34-3	1,1-Dichloroethane	ND		500	586	117	500	595	119	2	70-130/30
107-06-2	1,2-Dichloroethane	ND		500	532	106	500	530	106	0	70-130/30
75-35-4	1,1-Dichloroethene	2.5		500	584	116	500	588	117	1	70-130/30
156-59-2	cis-1,2-Dichloroethene	2280	E	500	2470	38* d	500	2520	48* d	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	19.4		500	545	105	500	557	108	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		500	639	128	500	552	110	15	70-130/30
142-28-9	1,3-Dichloropropane	ND		500	523	105	500	499	100	5	70-130/30
594-20-7	2,2-Dichloropropane	ND		500	707	141* a	500	719	144* a	2	70-130/30
563-58-6	1,1-Dichloropropene	ND		500	556	111	500	484	97	14	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23378-2MS	V21883.D	10	08/13/13	AMY	n/a	n/a	MSV845
MC23378-2MSD	V21884.D	10	08/13/13	AMY	n/a	n/a	MSV845
MC23378-2	V21881.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Compound	MC23378-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		500	596	119	500	510	102	16	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		500	587	117	500	592	118	1	70-130/30
123-91-1	1,4-Dioxane	ND		2500	2690	108	2500	2450	98	9	70-130/30
97-63-2	Ethyl methacrylate	ND		500	560	112	500	606	121	8	72-139/30
100-41-4	Ethylbenzene	ND		500	518	104	500	511	102	1	70-130/30
87-68-3	Hexachlorobutadiene	ND		500	457	91	500	489	98	7	70-130/30
591-78-6	2-Hexanone	ND		500	460	92	500	498	100	8	70-130/30
98-82-8	Isopropylbenzene	ND		500	518	104	500	519	104	0	70-130/30
99-87-6	p-Isopropyltoluene	ND		500	571	114	500	575	115	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		500	501	100	500	526	105	5	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	646	129	500	560	112	14	70-130/30
74-95-3	Methylene bromide	ND		500	723	145* [a]	500	567	113	24	70-130/30
75-09-2	Methylene chloride	ND		500	526	105	500	545	109	4	70-130/30
91-20-3	Naphthalene	ND		500	379	76	500	473	95	22	70-130/30
103-65-1	n-Propylbenzene	ND		500	488	98	500	531	106	8	70-130/30
100-42-5	Styrene	ND		500	661	132* [a]	500	570	114	15	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	539	108	500	519	104	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	491	98	500	519	104	6	70-130/30
127-18-4	Tetrachloroethene	0.81	J	500	576	115	500	559	112	3	70-130/30
108-88-3	Toluene	ND		500	621	124	500	559	112	11	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		500	398	80	500	469	94	16	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		500	436	87	500	507	101	15	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		500	631	126	500	636	127	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		500	649	130	500	636	127	2	70-130/30
79-01-6	Trichloroethene	1230	E	500	1680	90	500	1840	122	9	70-130/30
75-69-4	Trichlorofluoromethane	ND		500	645	129	500	645	129	0	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		500	501	100	500	523	105	4	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		500	465	93	500	494	99	6	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		500	565	113	500	517	103	9	70-130/30
108-05-4	Vinyl Acetate	ND		500	461	92	500	476	95	3	70-130/30
75-01-4	Vinyl chloride	157		500	611	91	500	630	95	3	70-130/30
	m,p-Xylene	ND		1000	965	97	1000	1010	101	5	70-130/30
95-47-6	o-Xylene	ND		500	607	121	500	520	104	15	70-130/30
1330-20-7	Xylene (total)	ND		1500	1570	105	1500	1530	102	3	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23378-2MS	V21883.D	10	08/13/13	AMY	n/a	n/a	MSV845
MC23378-2MSD	V21884.D	10	08/13/13	AMY	n/a	n/a	MSV845
MC23378-2	V21881.D	1	08/13/13	AMY	n/a	n/a	MSV845

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-2

CAS No.	Surrogate Recoveries	MS	MSD	MC23378-2	Limits
1868-53-7	Dibromofluoromethane	96%	97%	102%	70-130%
2037-26-5	Toluene-D8	124%	112%	108%	70-130%
460-00-4	4-Bromofluorobenzene	92%	95%	93%	70-130%

(a) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(b) Outside control limits. Associated samples are non-detect for this compound.
(c) High RPD due to possible matrix interference and/or sample non-homogeneity.
(d) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23458-4MS	V21899.D	5	08/14/13	AMY	n/a	n/a	MSV846
MC23458-4MSD	V21900.D	5	08/14/13	AMY	n/a	n/a	MSV846
MC23458-4	V21894.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: Method: SW846 8260B

MC23430-1

CAS No.	Compound	MC23458-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	216	86	250	209	84	3	70-130/30
107-02-8	Acrolein	ND		1250	2150	172* a	1250	2140	171* a	0	70-130/30
107-13-1	Acrylonitrile	ND		250	286	114	250	292	117	2	70-130/30
71-43-2	Benzene	ND		250	268	107	250	263	105	2	70-130/30
108-86-1	Bromobenzene	ND		250	248	99	250	245	98	1	70-130/30
74-97-5	Bromochloromethane	ND		250	309	124	250	300	120	3	70-130/30
75-27-4	Bromodichloromethane	ND		250	269	108	250	266	106	1	70-130/30
75-25-2	Bromoform	ND		250	246	98	250	248	99	1	70-130/30
74-83-9	Bromomethane	ND		250	253	101	250	244	98	4	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	230	92	250	237	95	3	70-130/30
104-51-8	n-Butylbenzene	ND		250	262	105	250	258	103	2	70-130/30
135-98-8	sec-Butylbenzene	ND		250	261	104	250	257	103	2	70-130/30
98-06-6	tert-Butylbenzene	ND		250	249	100	250	243	97	2	70-130/30
75-15-0	Carbon disulfide	ND		250	311	124	250	299	120	4	70-130/30
56-23-5	Carbon tetrachloride	ND		250	301	120	250	291	116	3	70-130/30
108-90-7	Chlorobenzene	ND		250	240	96	250	234	94	3	70-130/30
75-00-3	Chloroethane	ND		250	258	103	250	247	99	4	70-130/30
110-75-8	2-Chloroethyl vinyl ether	ND		250	ND	0* b	250	ND	0* b	nc	70-130/30
67-66-3	Chloroform	ND		250	279	112	250	269	108	4	70-130/30
74-87-3	Chloromethane	ND		250	265	106	250	251	100	5	70-130/30
95-49-8	o-Chlorotoluene	ND		250	237	95	250	232	93	2	70-130/30
106-43-4	p-Chlorotoluene	ND		250	246	98	250	240	96	2	70-130/30
124-48-1	Dibromochloromethane	ND		250	240	96	250	239	96	0	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	231	92	250	232	93	0	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	232	93	250	228	91	2	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	230	92	250	227	91	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	206	82	250	189	76	9	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	309	124	250	297	119	4	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	240	96	250	236	94	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	316	126	250	302	121	5	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	281	112	250	275	110	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	283	113	250	272	109	4	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	282	113	250	276	110	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	252	101	250	252	101	0	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	212	85	250	201	80	5	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	269	108	250	262	105	3	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23458-4MS	V21899.D	5	08/14/13	AMY	n/a	n/a	MSV846
MC23458-4MSD	V21900.D	5	08/14/13	AMY	n/a	n/a	MSV846
MC23458-4	V21894.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: Method: SW846 8260B

MC23430-1

CAS No.	Compound	MC23458-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-01-5	cis-1,3-Dichloropropene	ND		250	221	88	250	221	88	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	ND		250	232	93	250	231	92	0	70-130/30
123-91-1	1,4-Dioxane	ND		1250	1240	99	1250	1310	105	5	70-130/30
97-63-2	Ethyl methacrylate	ND		250	255	102	250	259	104	2	72-139/30
100-41-4	Ethylbenzene	ND		250	258	103	250	252	101	2	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	227	91	250	230	92	1	70-130/30
591-78-6	2-Hexanone	ND		250	247	99	250	256	102	4	70-130/30
98-82-8	Isopropylbenzene	ND		250	256	102	250	252	101	2	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	280	112	250	275	110	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	259	104	250	259	104	0	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	278	111	250	287	115	3	70-130/30
74-95-3	Methylene bromide	ND		250	291	116	250	290	116	0	70-130/30
75-09-2	Methylene chloride	ND		250	286	114	250	281	112	2	70-130/30
91-20-3	Naphthalene	ND		250	227	91	250	253	101	11	70-130/30
103-65-1	n-Propylbenzene	ND		250	258	103	250	253	101	2	70-130/30
100-42-5	Styrene	ND		250	284	114	250	279	112	2	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	260	104	250	255	102	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	254	102	250	260	104	2	70-130/30
127-18-4	Tetrachloroethene	ND		250	280	112	250	272	109	3	70-130/30
108-88-3	Toluene	ND		250	278	111	250	271	108	3	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	221	88	250	253	101	14	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	235	94	250	248	99	5	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	305	122	250	294	118	4	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	272	109	250	271	108	0	70-130/30
79-01-6	Trichloroethene	ND		250	254	102	250	248	99	2	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	249	100	250	234	94	6	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	250	100	250	252	101	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	246	98	250	238	95	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	253	101	250	247	99	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	236	94	250	232	93	2	70-130/30
75-01-4	Vinyl chloride	ND		250	199	80	250	189	76	5	70-130/30
	m,p-Xylene	ND		500	507	101	500	499	100	2	70-130/30
95-47-6	o-Xylene	ND		250	261	104	250	257	103	2	70-130/30
1330-20-7	Xylene (total)	ND		750	768	102	750	755	101	2	70-130/30

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC23458-4MS	V21899.D	5	08/14/13	AMY	n/a	n/a	MSV846
MC23458-4MSD	V21900.D	5	08/14/13	AMY	n/a	n/a	MSV846
MC23458-4	V21894.D	1	08/14/13	AMY	n/a	n/a	MSV846

The QC reported here applies to the following samples: **Method:** SW846 8260B

MC23430-1

CAS No.	Surrogate Recoveries	MS	MSD	MC23458-4	Limits
1868-53-7	Dibromofluoromethane	96%	95%	101%	70-130%
2037-26-5	Toluene-D8	103%	103%	102%	70-130%
460-00-4	4-Bromofluorobenzene	95%	95%	95%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.

* = Outside of Control Limits.

Volatile Internal Standard Area Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSV845-CC832	**Injection Date:**	08/13/13
Lab File ID:	V21867.D	**Injection Time:**	10:16
Instrument ID:	GCMSV	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	374056	6.58	648858	7.76	274720	11.09	337563	13.30	91071	3.52
Upper Limit [a]	748112	7.08	1297716	8.26	549440	11.59	675126	13.80	182142	4.02
Lower Limit [b]	187028	6.08	324429	7.26	137360	10.59	168782	12.80	45536	3.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSV845-BS	375460	6.58	649953	7.76	328410	11.09	351782	13.30	91207	3.51
MSV845-MB	372762	6.59	518226	7.77	264261	11.09	292057	13.30	87013	3.52
ZZZZZZ	338040	6.58	586670	7.76	298003	11.09	324441	13.30	82190	3.52
ZZZZZZ	381238	6.59	567068	7.77	293812	11.09	318495	13.30	100139	3.52
ZZZZZZ	365215	6.59	518595	7.77	271553	11.09	288461	13.30	88766	3.52
ZZZZZZ	351045	6.59	510902	7.77	274899	11.09	300309	13.30	81063	3.52
ZZZZZZ	330557	6.59	487435	7.77	256572	11.09	284749	13.30	78100	3.53
ZZZZZZ	325557	6.59	530032	7.77	265321	11.09	275939	13.30	73715	3.52
ZZZZZZ	320780	6.59	462179	7.77	255446	11.09	264831	13.30	75345	3.52
ZZZZZZ	298743	6.59	431987	7.77	254773	11.09	248307	13.30	71966	3.53
MC23430-2	349076	6.60	546135	7.77	260236	11.10	270276	13.30	70757	3.53
MC23378-2	296420	6.60	511757	7.77	255448	11.10	281675	13.31	70585	3.54
MC23378-2MS	326432	6.59	440536	7.77	260814	11.10	303064	13.31	72153	3.53
MC23378-2MSD	327008	6.59	509390	7.77	312892	11.10	351598	13.30	78956	3.52
ZZZZZZ	310154	6.60	446563	7.77	253784	11.10	344257	13.31	99529	3.53
ZZZZZZ	325663	6.59	469659	7.77	269108	11.10	256942	13.31	72035	3.52

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Check Std:	MSV846-CC832	**Injection Date:**	08/14/13
Lab File ID:	V21888.D	**Injection Time:**	08:24
Instrument ID:	GCMSV	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	337380	6.59	525391	7.77	328524	11.10	381652	13.30	76412	3.53
Upper Limit [a]	674760	7.09	1050782	8.27	657048	11.60	763304	13.80	152824	4.03
Lower Limit [b]	168690	6.09	262696	7.27	164262	10.60	190826	12.80	38206	3.03

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSV846-BS	435992	6.58	623182	7.76	324109	11.09	370027	13.30	103265	3.51
MSV846-BSD	436419	6.59	620905	7.77	324333	11.09	366322	13.30	108724	3.52
MSV846-MB	388946	6.59	581990	7.77	306552	11.09	335196	13.30	106407	3.52
MC23458-4	375681	6.59	566349	7.77	299127	11.09	325663	13.30	102053	3.53
ZZZZZZ	376511	6.59	566153	7.77	299347	11.09	328693	13.30	99173	3.52
ZZZZZZ	424579	6.59	621987	7.77	327929	11.09	369984	13.30	89439	3.52
ZZZZZZ	364952	6.59	552454	7.77	294476	11.09	323127	13.30	87426	3.53
ZZZZZZ	396359	6.59	564658	7.77	298860	11.09	343305	13.30	93966	3.52
MC23458-4MS	423681	6.58	604661	7.76	315623	11.09	361116	13.30	100051	3.51
MC23458-4MSD	432098	6.59	611788	7.77	319552	11.09	365196	13.30	108240	3.52
ZZZZZZ	402863	6.59	591891	7.77	307536	11.09	341017	13.30	98356	3.52
MC23430-1	383743	6.59	583981	7.77	302852	11.09	329644	13.30	97536	3.53
ZZZZZZ	385492	6.59	562558	7.77	295053	11.09	322581	13.30	96452	3.52
ZZZZZZ	375086	6.59	548600	7.77	294254	11.09	330647	13.30	96115	3.54
ZZZZZZ	382574	6.59	552145	7.77	290215	11.09	325231	13.30	80523	3.52
ZZZZZZ	372541	6.58	540120	7.76	286416	11.09	318640	13.30	85864	3.52
ZZZZZZ	361999	6.59	542727	7.77	287744	11.09	317781	13.30	86240	3.52
ZZZZZZ	351756	6.58	527109	7.76	280341	11.09	304034	13.30	80178	3.52
ZZZZZZ	355509	6.59	526381	7.77	280852	11.09	307847	13.30	81822	3.52
ZZZZZZ	354045	6.59	522394	7.77	277744	11.09	302811	13.30	81903	3.52
ZZZZZZ	334811	6.58	507494	7.76	275257	11.09	299853	13.30	83620	3.52
ZZZZZZ	331030	6.58	505954	7.76	270356	11.09	294865	13.30	77552	3.51
ZZZZZZ	331789	6.59	505917	7.76	272629	11.09	301581	13.30	85752	3.52
ZZZZZZ	342744	6.58	515706	7.76	276125	11.09	307107	13.30	92226	3.52

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: MC23430
Account: SHELLWIC Shell Oil
Project: URSMOSTL:Roxana 3Q13 GW/ 21562850.03003 900 South Central Avenue, Roxana, IL

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC23430-1	V21902.D	100	100	94
MC23430-2	V21880.D	105	93	111
MC23378-2MS	V21883.D	96	124	92
MC23378-2MSD	V21884.D	97	112	95
MC23458-4MS	V21899.D	96	103	95
MC23458-4MSD	V21900.D	95	103	95
MSV845-BS	V21868.D	94	102	98
MSV845-MB	V21871.D	95	102	95
MSV846-BS	V21889.D	96	102	95
MSV846-BSD	V21890.D	95	102	96
MSV846-MB	V21893.D	100	102	94

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%