KELLY-MOORE PAINTS

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By Alameda County Environmental Health 2:33 pm, Apr 20, 2015

April 17, 2015

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Groundwater Monitoring Report
Former Firestone Tire Store #3655
969 San Pablo Avenue, Albany, California
ACEH Case No. RO0000119

Dear Mr. Detterman:

Please find the most recent Groundwater Monitoring Report, prepared by Weiss Associates, for the Former Firestone Tire Store referenced above. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge. If you have any questions, please contact Tom Fojut of Weiss Associates at (510) 450-6143 or me at (650) 610-4314.

Sincerely,

Robert Stetson
Director of Risk Management

Attachment: Groundwater Monitoring Report, Former Firestone Tire Store #3655,
969 San Pablo Avenue, Albany, California – March 31, 2015

Kelly-Moore Paint Company, Inc.
987 Commercial Street
San Carlos, CA 94070
rstetson@kellymoore.com

Weiss Associates Environmental Science, Engineering, and Management

2200 Powell Street, Suite 925, Emeryville, CA 94608-1879 Fax: 510-547-5043 Phone: **510-450-6000**

March 31, 2015

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: Groundwater Monitoring Report
Former Firestone Tire Store #3655
969 San Pablo Avenue
Albany, California
ACEH Case No.RO0000119
Weiss Job No. 459-2045.01

Dear Mr. Detterman:

Weiss Associates (Weiss) prepared this Groundwater Monitoring Report on behalf of Kelly-Moore Paint Company, Inc. (Kelly-Moore) to document groundwater monitoring conducted on February 20, 2015 at the former Firestone Tire & Rubber Company (Firestone) store located at 969 San Pablo Avenue in Albany, California (Site; Figure 1). Sampling was performed per the letter from Mr. Tom Boer of Barg Coffin Lewis & Trapp LLP, dated February 19, 2015.[1]

BACKGROUND

The Site consists of an L-shaped commercial building and parking lot near the intersection of Buchanan Street and San Pablo Avenue. Kelly-Moore is the current property owner and operates a retail paint store at this location (Figure 2).

Prior to Kelly Moore's purchase of the Site, Firestone operated a tire and auto maintenance shop in the building through early 1990. Firestone removed a waste oil underground storage tank (UST) adjacent to the building (Figure 2) in May 1990. Monitoring wells MW-1 through MW-4 were installed and sampled following removal of the UST. Later that year, Firestone performed further site remediation by over-excavating the former tank pit, resulting in the removal of approximately 149 tons of visibly impacted soil. Well MW-1 was located within the excavation area and thus was destroyed. In March 1999, wells MW-5 and MW-6 were installed. The five wells were sampled periodically in 1999 and between 2009 and 2012. Historical groundwater analytical data are presented in Attachment A.

[1] Letter to Mr. Mark Detterman, ACEH from Mr. Tom Boer, Barg Coffin Lewis & Trapp, LLP, in response to Request for Data Gap Work Plan and Focused Site Conceptual Model; Fuel Leak Case No. RO0000119, Firestone #3655, 969 San Pablo Avenue, Albany, CA 94706, February 19, 2015.

FIELD AND LABORATORY METHODS

Groundwater Depth Measurements

Depths to water were measured in the wells on February 20, 2015 prior to sampling. Weiss staff used an electric sounder to measure the depth to water from the top of the well casing. Prior to each measurement, the sounder was decontaminated using Alconox soap and distilled water. The depth measurements and calculated groundwater elevations are summarized in Table 1. Historical groundwater elevations are presented in Attachment A.

Well Sampling

Groundwater samples were collected on February 20, 2015 from wells MW-2 through MW-6. The wells were micropurged and sampled using clean bladder pumps and new Teflon-lined tubing in general accordance with the U.S. Environmental Protection Agency's (USEPA) low flow sampling guidance.[2] During purging, the pH, temperature, and electrical conductivity of the purge water were measured. The pH was allowed to stabilize to within 0.2 standard units and electrical conductivity to within three percent for three consecutive readings prior to sampling. Water sampling data sheets are presented in Attachment B.

Weiss also collected a field duplicate from well MW-4, a rinseate blank from the MW-4 bladder pump after it was decontaminated, and a trip blank. These and the primary samples were labeled, stored in an iced cooler, and transported under standard chain-of-custody to Curtis and Tompkins Ltd., a state-certified laboratory in Berkeley, California. The chain-of-custody form is included in Attachment C.

Laboratory Analysis

The laboratory analyzed the primary samples, field duplicate, and rinseate blank for:

- Volatile organic compounds (VOCs) by USEPA Method 8260B;
- Semi-volatile organic compounds (SVOCs) by USEPA Method 8270C;
- Total petroleum hydrocarbon as gasoline (TPH-G) by USEPA Method 8260B; and
- TPH as diesel (TPH-D) and motor oil (TPH-MO) by USEPA Method 8015M.

The trip blank was analyzed only for VOCs and TPH-G.

After the laboratory completed the analytical report, a Weiss chemist performed a Level II validation of the analytical data. No data were rejected during the validation review, and Weiss concluded that the laboratory results are useful and valid. A summary of the validation review is presented in Attachment C.

[2] United States Environmental Protection Agency, 1996, Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures, Robert W. Puls and Michael J. Barcelona, Office of Solid Waste and Emergency Response (OSWER), EPA/540/S-95/504, April 1996.

RESULTS

The groundwater monitoring results are summarized below.

Groundwater Elevations and Flow Direction

The depths to water were between 7.47 to 8.51 feet. Groundwater elevations ranged from 33.04 to 34.28 feet above mean sea level and are between 1.09 and 1.88 feet higher than when last measured in October 2012. The February 2015 data indicate that groundwater flowed to the southwest with an approximate gradient of 0.036 feet per foot (Figure 3).

Analytical Results

The analytical results for the well samples are presented in Table 2 and summarized below. Results for selected constituents are presented on Figures 4 and 5. Historical data are included in Attachment A, and the laboratory report for the February 2015 sampling is included in Attachment C.

Volatile Organic Compounds

Five VOCs were detected above reporting limits in at least one sample: tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethane (1,1-DCA) and 1,1-dichloroethene (1,1-DCE). The cis-1,2-DCE is likely present due to the biologically driven degradation of TCE. Under anaerobic conditions, cis-1,2-DCE may biodegrade to vinyl chloride. However, no vinyl chloride was detected in any of the samples. 1,1-DCA and 1,1-DCE are typical breakdown products of 1,1,1-trichloroethane (1,1,1-TCA). Prior to site remedial excavation in 1990, 1,1,1-TCA was detected in a single groundwater sample from removed well MW-1. 1,1,1-TCA has not been detected in groundwater samples collected at the site after 1990.

The highest concentrations of these VOCs were detected in the sample from MW-4 and the field duplicate collected from MW-4 (Figure 4, Table 2). Based on the groundwater flow direction shown on Figure 3, MW-4 is located on the downgradient side of the former waste oil tank. Maximum concentrations of 27 micrograms per liter (µg/L) PCE, 7.6 µg/L TCE, 11 µg/L cis-1,2-DCE, and 49 µg/L 1,1-DCA exceeded environmental screening levels for groundwater that is a current or potential drinking water resource as established in December 2013 by the San Francisco Bay Regional Water Quality Control Board (Table F-1a).

Semi-Volatile Organic Compounds

No SVOCs were detected in any of the samples above reporting limits (Figure 2). Weiss collected groundwater samples for SVOCs from all five wells because it does not appear that previous site samples have been analyzed for SVOCs.

Petroleum Hydrocarbons

Generally, no petroleum hydrocarbons were detected above reporting limits in the groundwater samples (Figure 5, Table 2). The MW-2 sample contained 100 µg/L TPH-D, but the laboratory reported that the chromatogram did not match the laboratory's standard for diesel. Trace concentrations of TPH-G were detected below reporting limits in the MW-4 sample and the field duplicate. The chromatograms for these samples show discrete peaks, indicating the presence of individual VOCs rather than gasoline. The absence of gasoline in the samples is consistent with the non-detect results for benzene, toluene, ethylbenzene, and xylenes in all samples.

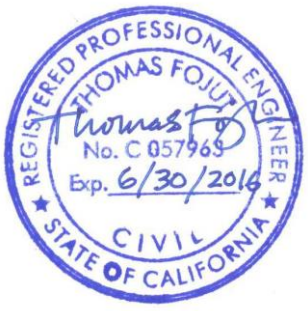
CERTIFICATION

Weiss Associates' work at the former Firestone Tire Store in Albany, California was conducted under our supervision. To the best of our knowledge, the data contained herein are true and accurate, based on what can be reasonably understood as a result of this project while satisfying the scope of work prescribed by the client for this project. The data, findings, recommendations, specifications, and/or professional opinions were prepared solely for the use of Kelly-Moore Paint Company, Inc. in accordance with generally accepted professional engineering and geologic practice. We make no other warranty either expressed or implied, and are not responsible for the interpretation by others of the contents herein.

CLOSING

We trust this report meets your needs. An updated Site Conceptual Model Report will be submitted to Alameda County Environmental Health by May 15, 2015. The next groundwater monitoring is scheduled for the third quarter 2015. Please feel free to contact us if you have any questions or comments.

Sincerely,
Weiss Associates



Elyse D. Heilshorn, PE
Project Engineer

Thomas Fojut, PE, PG, CHG
Principal Engineer

cc: Mr. Robert Stetson, Kelly-Moore Paint Company
Mr. Vern Willirich, Firestone Tire & Rubber Company
Mr. Harry Eberlin

Attachments: Figures 1-5
Tables 1 & 2
A—Historical Groundwater Elevation and Analytical Data
B—Water Sampling Data Sheets
C—Data Validation Summary, Laboratory Report and Chain-of-Custody Form

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FIGURES

Figure 1. Site Vicinity, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

Figure 2. Site Layout, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

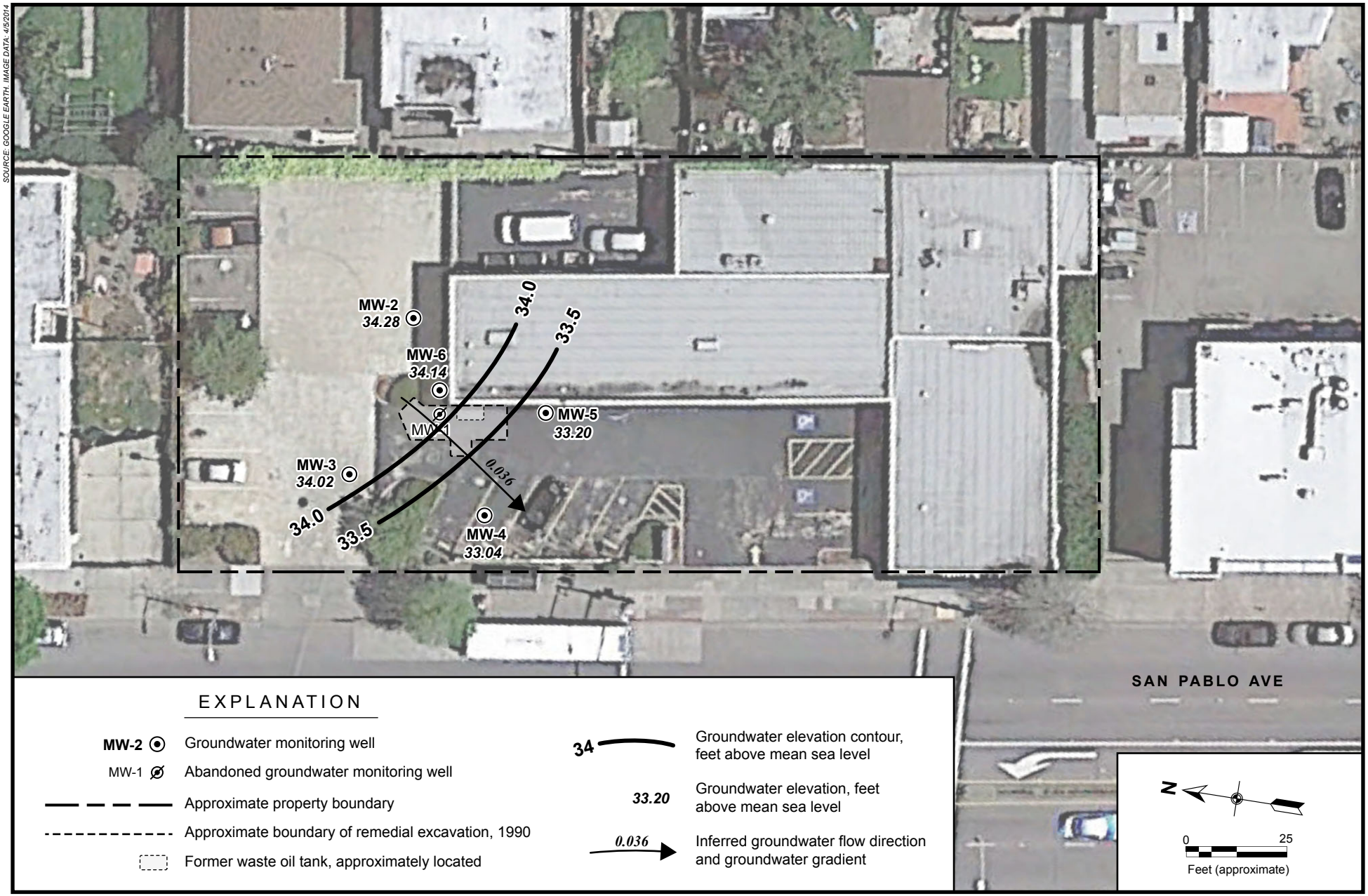
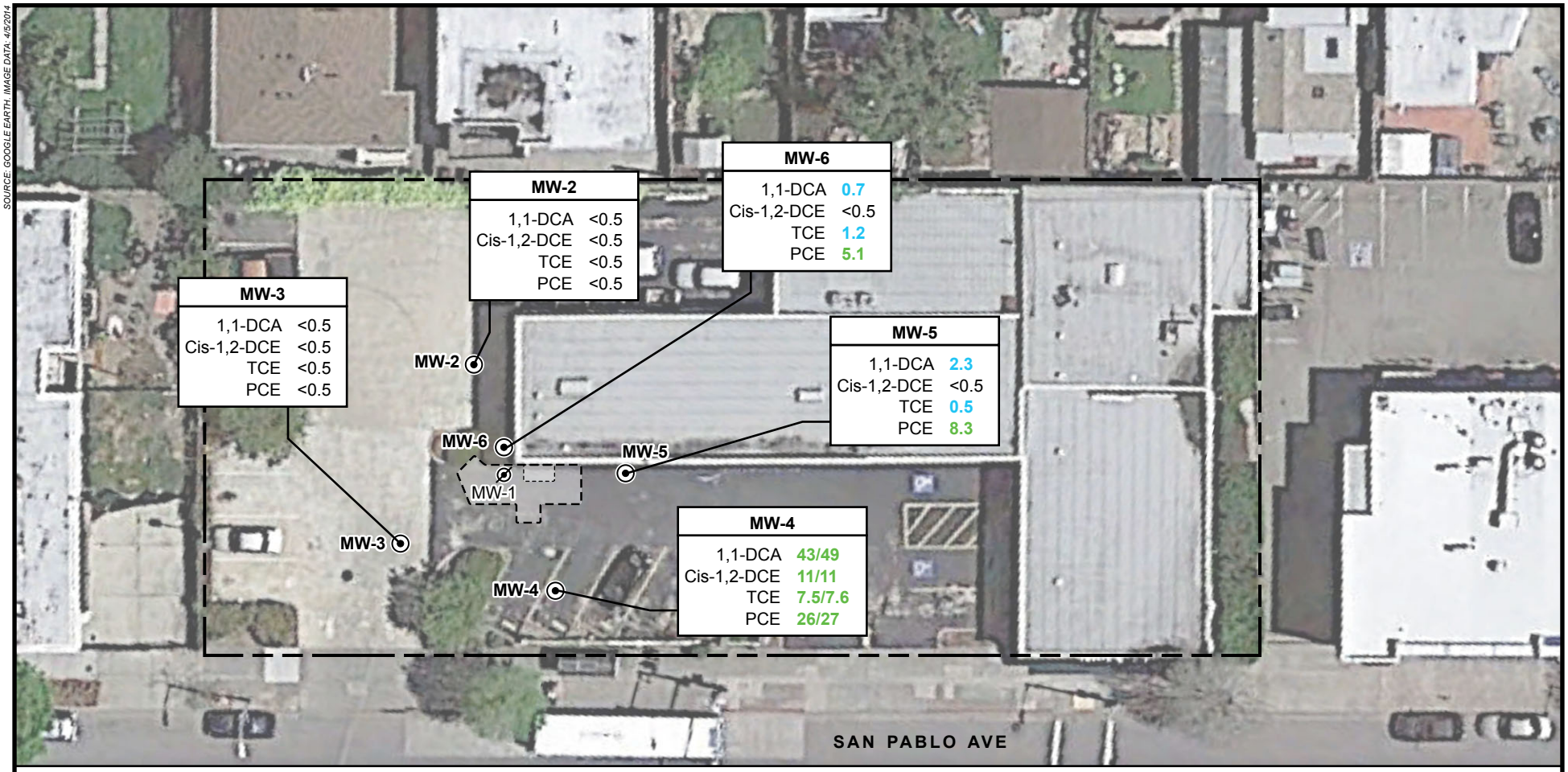


Figure 3. Groundwater Elevations and Flow Direction, February 20, 2015, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California



EXPLANATION

- MW-2 ⊙ Groundwater monitoring well
- MW-1 ⊘ Abandoned groundwater monitoring well
- Approximate property boundary
- Approximate boundary of remedial excavation, 1990
- Former waste oil tank, approximately located

- 2.3 Concentration, micrograms per liter (µg/L)
- <0.5 Not detected above the reporting limit
- <0.1/<0.1 Duplicate sample
- 2.3 Detection below ESL
- 49 Detection exceeds ESL

Abbreviations:
ESL - Environmental screening level for groundwater; groundwater is a current or potential drinking water resource; December 2013; Table F-1a

N

0 25
Feet (approximate)

Figure 4. Volatile Organic Compound Results for Groundwater, February 20, 2015, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

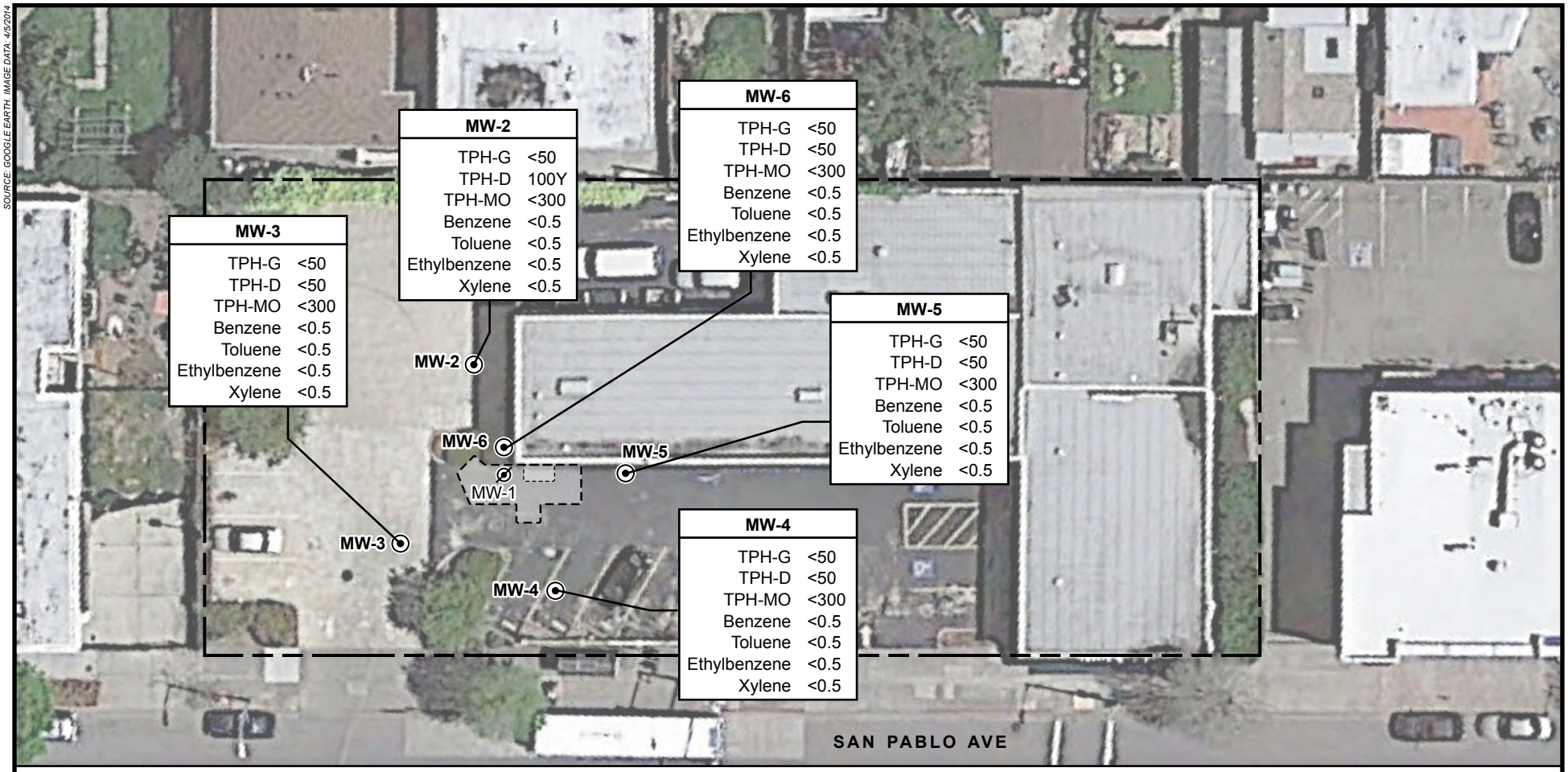


Figure 5. Petroleum Hydrocarbon Results for Groundwater, February 20, 2015, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

TABLES

Table 1. Groundwater Elevations, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

Well ID	Date Well Installed	Top of Casing Elevation (feet amsl)	Date	Depth-to-Water (feet)	Groundwater Elevation (feet amsl)
MW-2	1990	42.14	2/20/2015	7.86	34.28
MW-3	1990	41.49	2/20/2015	7.47	34.02
MW-4	1990	41.15	2/20/2015	8.11	33.04
MW-5	1999	41.71	2/20/2015	8.51	33.20
MW-6	1999	42.04	2/20/2015	7.90	34.14

Notes:

See Attachment A for historical groundwater elevation data

Abbreviations:

amsl - above mean sea level

Weiss Associates

Table 2. Analytical Results for Groundwater, Former Firestone Tire Store #3655, 969 San Pablo Avenue, Albany, California

Well	Sample Date	Chloro-form	1,1-DCA	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	PCE	TCE	Vinyl Chloride	TPH-G	TPH-D	TPH-MO	SVOCs
		<----------*micrograms per liter (µg/L)*---------->											
MW-2	2/20/2015	<0.5	<0.5*	<0.5	<0.5	<0.5	<0.5*	<0.5*	<0.5	<50	100Y	<300*	<n[b]
MW-3	2/20/2015	<0.5*	<0.5	<0.5	<0.5	<0.5	<0.5*	<0.5	<0.5	<50	<50**	<300	<n[b]
MW-4	2/20/2015	<0.5*	**43**	1.4	<0.5*	**11**	**26**	**7.5**	<0.5	<50Z	<50**	<300	<n[b]
MW-4 Duplicate	2/20/2015	<0.5*	**49**	1.6	<0.5*	**11**	**27**	**7.6**	<0.5	<50Z	<50**	<300	<n[b]
MW-5	2/20/2015	<0.5*	2.3	<0.5	<0.5	<0.5	**8.3**	0.5	<0.5	<50	<50**	<300	<n[b]
MW-6	2/20/2015	<0.5*	0.7	<0.5	<0.5	<0.5*	**5.1**	1.2	<0.5	<50	<50**	<300	<n[b]
ESL[a]		80	5	6	10	6	5	5	0.5	100	100	100	

Notes:

Analytical Laboratory: Curtis & Tompkins, Ltd.

Analytical Methods Used:

VOCs & TPH-G by USEPA Method 8260B

TPH-D & TPH MO by USEPA Method 8015M

SVOCs by USEPA Method 8270C

See Attachment A for historical groundwater analytical data

Bold values signify a result exceeds the ESL established for this constituent

[a] ESL for groundwater; groundwater is a current or potential drinking water resource, December 2013, Table F-1a.

[b] No SVOCs were detected above reporting limits ranging from 10 to 20 µg/L.

*Trace concentration detected below the reporting limit.

**Trace concentration detected below the detection limit flagged due to rinseate blank contamination.

Acronyms/Abbreviations:

1,1-DCA - 1,1-dichloroethane

1,1-DCE - 1,1-dichloroethene

cis-1,2-DCE - cis-1,2-dichloroethene

trans-1,2-DCE - trans-1,2-dichloroethene

ESL - Environmental Screening Level

PCE - tetrachloroethene

SVOCs - semi-volatile organic compounds

TCE - trichloroethene

TPH-D - total petroleum hydrocarbon as diesel

TPH-G - total petroleum hydrocarbon as gasoline

TPH-MO - total petroleum hydrocarbon as motor oil

USEPA - United States Environmental Protection Agency

Y - chromatographic pattern did not resemble standard; qualified as estimated

Z - A detection below the reporting limit was due to discrete peaks on the chromatogram

<n - not detected above the reporting limit

ATTACHMENT A

HISTORICAL GROUNDWATER ELEVATION AND ANALYTICAL DATA

Table 1 - Groundwater Elevation Measurement and Analytical Results
Kelly-Moore Paint Company
969 San Pablo Avenue, Albany, CA
ProTech Project #383-12

WELL #	DATE	TOC	DTW	GW-ELEV	Δ-Elev	Chlfrm	1,1-DCA	1,1-DCE	c1,2-DCE	PCE	TCE	VC	GRO	DRO	MORO	TEPH-ho
MW-2	06/16/99	42.14	8.36	33.78		ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/15/99	42.14	9.25	32.89	0.89	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/15/99	42.14	8.36	33.78	-0.89	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	03/16/00	42.14	5.18	36.96	-3.18	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/25/09	42.14	8.35	33.79	3.17	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	03/29/10	42.14	5.49	36.65	2.86	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/28/10	42.14	9.64	32.5	-4.15	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/20/11	42.14	9.22	32.92	0.42	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/05/12	42.14	9.74	32.4	-0.52	ND	ND	ND	ND	ND	ND	ND	NA	51	110	ND
MW-3	04/21/98	41.49	7.33	34.16		ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
	03/29/99	41.49	5.6	35.89	-1.73	ND	1.2	ND	ND	1.7	1.6	ND	ND	ND	NA	NA
	06/16/99	41.49	7.95	33.54	2.35	ND	1.3	ND	ND	1.7	2.3	ND	NA	NA	NA	NA
	09/15/99	41.49	8.73	32.76	0.78	ND	1.4	ND	ND	1.6	1.9	ND	NA	NA	NA	NA
	12/15/99	41.49	8.36	33.13	-0.37	ND	0.97	ND	ND	1	0.98	ND	NA	NA	NA	NA
	03/16/00	41.49	5.05	36.44	-3.31	ND	1.2	ND	ND	1.6	2	ND	NA	NA	NA	NA
	09/25/09	41.49	8.8	32.69	3.75	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	03/29/10	41.49	7.14	34.35	1.66	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/28/10	41.49	9.3	32.19	-2.16	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/20/11	41.49	8.85	32.64	0.45	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	10/05/12	41.49	9.35	32.14	-0.5		ND	ND	ND	ND	ND	ND	NA	110	320	ND
MW-4	04/21/98	41.15	7.52	33.63		ND	34	ND	5.3	3.6	ND	ND	ND	ND	NA	NA
	03/29/99	41.15	7.5	33.65	-0.02	ND	84	1.5	25	18	6.5	3.1	ND	ND	NA	NA
	06/16/99	41.15	8.73	32.42	1.23	ND	76	1.3	23	20	6.4	2.4	NA	NA	NA	NA
	09/15/99	41.15	9.18	31.97	0.45	ND	61	0.74	18	16	4.4	0.91	NA	NA	NA	NA
	12/15/99	41.15	8.95	32.2	-0.23	ND	37	ND	11	5.7	2.5	ND	NA	NA	NA	NA
	03/16/00	41.15	8.8	32.35	-0.15	ND	58	0.84	18	10	44	1.2	NA	NA	NA	NA
	09/25/09	41.15	9.3	31.85	0.5	ND	33	ND	12	15	6.7	ND	NA	NA	NA	NA
	03/29/10	41.15	7.6	33.55	1.7	ND	25	ND	9.2	21	6.7	ND	NA	NA	NA	NA
	09/28/10	41.15	9.35	31.8	-1.75	ND	25	ND	8	20	6.6	ND	NA	NA	NA	NA
	09/20/11	41.15	8.87	32.28	0.48	ND	27	ND	8.8	21	6.9	ND	NA	NA	NA	NA
	10/05/12	41.15	9.38	31.77	-0.51	ND	35	0.7	9.5	21	6.8	ND	NA	ND	ND	ND
MW-5	03/29/99	41.71	8.14	33.57		0.97	5.3	ND	ND	1.6	1.6	ND	ND	ND	NA	NA
	06/16/99	41.71	8.91	32.8	0.77	0.63	4.8	ND	ND	1.5	1.8	ND	NA	NA	NA	NA
	09/15/99	41.71	9.2	32.51	0.29	ND	6.4	ND	ND	1.8	1.8	ND	NA	NA	NA	NA
	12/15/99	41.71	8.86	32.85	-0.34	ND	6.7	ND	ND	1.5	1.4	ND	NA	NA	NA	NA
	03/16/00	41.71	8.3	33.41	-0.56	0.61	5.3	ND	ND	1.3	1.1	ND	NA	NA	NA	NA
	09/25/09	41.71	9.89	31.82	1.59	ND	4.8	ND	0.76	2.7	0.88	ND	NA	NA	NA	NA
	03/29/10	41.71	8.33	33.38	1.56	ND	1.3	ND	ND	1.5	ND	ND	NA	NA	NA	NA
	09/28/10	41.71	9.79	31.92	-1.46	ND	2.1	ND	ND	ND	ND	ND	NA	NA	NA	NA
	09/20/11	41.71	9.71	32	0.08	ND	1.4	ND	ND	2.2	ND	ND	NA	NA	NA	NA
	10/05/12	41.71	9.6	32.11	0.11	ND	1.8	ND	ND	3.5	ND	ND	NA	70	ND	ND
MW-6	03/29/99	42.04	7.74	34.3		0.78	1.4	ND	ND	6.8	0.8	ND	ND	ND	NA	NA
	06/16/99	42.04	9.25	32.79	1.51	ND	1.4	ND	ND	5.3	0.8	ND	NA	NA	NA	NA
	09/15/99	42.04	9.71	32.33	0.46	ND	1.8	ND	ND	6.2	0.87	ND	NA	NA	NA	NA
	12/15/99	42.04	9	33.04	-0.71	ND	1.2	ND	ND	4.8	0.56	ND	NA	NA	NA	NA
	03/16/00	42.04	7.38	34.66	-1.62	ND	1.3	ND	ND	5.6	0.74	ND	NA	NA	NA	NA
	09/25/09	42.04	NM			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/29/10	42.04	NM			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/28/10	42.04	NM			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	42.04	9.12	32.92		ND	0.88	ND	ND	3.1	0.89	ND	NA	NA	NA	NA
	10/05/12	42.04	9.7	32.34	-0.58	ND	1	ND	ND	3.7	1	ND	NA	ND	ND	ND

Table 1 - Groundwater Elevation Measurement and Analytical Results
Kelly-Moore Paint Company
969 San Pablo Avenue, Albany, CA
ProTech Project #383-12

WELL #	DATE	TOC	DTW	GW-ELEV	Δ-Elev	Chlfrm	1,1-DCA	1,1-DCE	c1,2-DCE	PCE	TCE	VC	GRO	DRO	MORO	TEPH-ho

Notes:

TOC = top of casing elevation (ft above mean sea level - [ft-amsl])
DTW = depth to water (ft below TOC)
GW-ELEV = groundwater elevation (ft-amsl)
D-Elev = change in elevation (ft) from one GWM to the next
All results reported in parts-per-billion (ppb)
MCL = maximum contaminant level (EPA and California cited)
Chlfrm = Chloroform (RL-0.5 ppb) (MCL-80 ppb)
1,1-DCA = 1,1-dichloroethane (RL-0.5 ppb) (MCL-5 ppb [California])
1,1-DCE = 1,1-dichloroethene (RL-0.5 ppb) (MCL-7 ppb [EPA] 6 ppb [California])
c1,2-DCE = cis 1,2-dichloroethene (RL-0.5 ppb) (MCL-70 ppb [EPA] 6 ppb [California])
PCE = tetrachloroethene (RL-0.5 ppb) (MCL-5 ppb [EPA & California])
TCE = trichloroethene (RL-0.5 ppb) (MCL-5 ppb [EPA & California)
VC = vinyl chloride (RL-0.5 ppb) (MCL-2 ppb [EPA] 0.5 ppb [California])
NA = not analyzed for
NM = not measured
ND = not detected above method detection limit
Bold =greater than California MCL

GRO= gasoline Range Orgaincs
DRO = Diesel Range Orgainics
MORO = Motor Oil Range Organics
TEPH-ho = Hydraulic Oil

Reference:

ProTech Consulting and Engineering, Groundwater Monitoring Report - October 2012, 969 San Pablo Avenue, Albany, CA. 94706, November 13, 2012.

TABLE 2

Hydrocarbons and Organic Lead in Groundwater Samples

Well No.	Sample No.*	Extractable Petrol. Hydrocarbons (mg/l) Kerosene Range	Extractable Petrol. Hydrocarbons (mg/l) Diesel Range	Volatile Aromatic Hydrocarbons (mg/l) Benzene	Toluene	Xylenes (total)	Chloro-benzene	Ethyl-benzenes (total)	Volatile Halocarbons (mg/l) 1,1-dichloro-ethene	1,1-dichloro-ethane	1,1,1-trichloro-ethane	Trichloro-ethylene	Tetrachloro-ethene	Organic Lead (mg/l)
MW-1	WS-2	ND	ND	0.01	ND	ND	ND	ND	0.012	0.094	0.20	0.0025	0.071	ND
MW-2	WS-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	WS-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	WS-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0018	ND	ND
Trip Blank		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes: "ND" - Not Detected
* = Samples were consectively numbered in the order collected.
Analyses were performed by Curtis & Tompkins, Berkeley, California.

Reference: ERM-West, Inc., Firestone Tire and Rubber Company, Albany, CA, Workplan, August 13, 1990

ATTACHMENT B

WATER SAMPLING DATA SHEETS

WATER SAMPLING DATA SHEET

Weiss Associates

Project Name: Kelly Moore, Albany | **Sample Location:** MW-2

Project Number: 459-2045.01 | **Sample ID:** KMA-02 15-MW-2

Personnel: AMB | **Sample Date:** 2-20-15 | **Time:** 1455

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 60°F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2726 ☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable ☐ PVC ☑ Polyethylene ☑ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	4 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method?	☑ Yes ☐ No
Depth to Water	7.86 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	NA
Measured Well Depth	14.58 ft.	Pump Intake Set At:	12 ft. ☐ NA	Actual Purge Volume (units):	1350 mL

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: 150 mL/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Pre	1420	7.86	6.06	618	3.50	297.6	17.11
450 mL	1448	8.01	6.00	624	5.14	262.0	17.96
900 mL	1451	8.07	5.99	631	5.10	260.8	17.86
1350 mL	1454	8.14	5.97	639	4.91	258.2	17.69
Final Readings:	Temperature: 17.69 °C						
☐ Stabilization Goals (project specific):							
☑ Stabilization Goals (USEPA):		± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV		

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 2-20-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Project Name:	Kelly Moore, Albany	**Sample Location:**	**MW-3**
Project Number:	459-2045.01	**Sample ID:**	**KMA-02 15-MW-3**
Personnel:	JTW	**Sample Date:**	2/20/15 **Time:** 15:30

WEATHER ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units):

SAMPLE TYPE ☒ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☒ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☒ No ID#: 2671	Tubing Dedicated? ☐ Yes ☐ No ☒ Disposable
☒ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☐ Polyethylene ☒ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☒ NA	Decon Method: ☐ Steam ☐ Alconox ☐ DI Water ☐ NA
Totalizer (Start): Rate:	Totalizer (End): Rate:

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter 4" in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☒ Yes ☐ No
Depth to Water 7.49 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units):
Measured Well Depth 1 ft.	Pump Intake Set At: 12 ft. ☐ NA	Actual Purge Volume (units):

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: mL/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
75	15:17	7.51	6.98	421			17.41
↓	15:20	7.56	6.96	408			17.4
	15:23	7.64	6.94	404			17.5
↓	15:26	7.75	6.94	402			17.4
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):			± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV	

SAMPLE APPEARANCE VOAs free of air bubbles? ☒ Yes ☐ No (Explain):

Color:	☒ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☒ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☒ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☒ No Variances

Sampler Signature: [signature] **Date:** 2/20/15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Project Name:	Kelly Moore, Albany	**Sample Location:**	MW-4
Project Number:	459-2045.01	**Sample ID:**	KMA-02 15-MW-4 / KMA-02-15-DUP
Personnel:	AMB	**Sample Date:**	2-20-15 **Time:** 1625 / 1630
WEATHER	☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy	Temp (units):	60°F
SAMPLE TYPE	☑ Original ☑ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:		
SAMPLE SOURCE	☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:		

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2726	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable
☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	☐ PVC ☑ Polyethylene ☑ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	4 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method?	☑ Yes ☐ No
Depth to Water	8.11 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	NA
Measured Well Depth	14.69 ft.	Pump Intake Set At:	12.5 ft. ☐ NA	Actual Purge Volume (units):	

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: 150 ml/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Pre	1609	8.11	5.65	647	5.23	239.9	18.92
450ml	1615	8.23	5.64	648	6.32	264.8	18.81
900ml	1618	8.32	5.63	617	6.29	260.6	18.87
1350ml	1621	8.38	5.63	632	6.18	258.5	18.34
Final Readings:	Temperature:	18.34 °C					
Goals (project specific):		X					

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units):

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 2-20-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Project Name:	Kelly Moore, Albany	**Sample Location:**	MW-5
Project Number:	459-2045.01	**Sample ID:**	KMA-02 15-MW-5
Personnel:	JTW	**Sample Date:**	2/20/15 **Time:** 16:03

WEATHER ☒ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units):

SAMPLE TYPE ☒ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☒ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☒ No ID#: 2694 ☐ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☐ Yes ☒ No ☒ Disposable ☐ PVC ☐ Polyethylene ☒ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☒ NA	Decon Method: ☐ Steam ☐ Alconox ☐ DI Water ☐ NA
Totalizer (Start): Rate:	Totalizer (End): Rate:

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter in.	Well Casing Material: PVC	Low-Flow/Micropurge Method? ☐ Yes ☐ No
Depth to Water 8.51 ft.	DTW Reference Point[1]: TOC	Required Purge Volume[2] (units):
Measured Well Depth ft.	Pump Intake Set At: 10.75 ft. ☐ NA	Actual Purge Volume (units):

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: ~~150mL/min~~ L)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
150	15:56	8.65	6.45	449			19.1
	15:59	8.82	6.46	449			19.1
	16:02	8.96	6.46	450			19.2
Final Readings:	**Temperature:** °C						
☐ Stabilization Goals (project specific):							
☐ Stabilization Goals (USEPA):		± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV		

SAMPLE APPEARANCE VOAs free of air bubbles? ☒ Yes ☐ No (Explain):

Color:	☒ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☒ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☒ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

VARIANCE FROM SAMPLING PROTOCOL: ☒ No Variances

Sampler Signature: [signature] **Date:** 2/20/15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

WATER SAMPLING DATA SHEET

Project Name:	Kelly Moore, Albany	**Sample Location:**	MW-6
Project Number:	459-2045.01	**Sample ID:**	KMA-02 15-MW-6
Personnel:	AMB	**Sample Date:**	2-20-15 **Time:** 1540

WEATHER ☑ Sunny ☐ Cloudy ☐ Rainy ☐ Foggy ☐ Windy Temp (units): 60F

SAMPLE TYPE ☑ Original ☐ Duplicate ☐ Field Blank ☐ Equipment Blank ☐ Other:

SAMPLE SOURCE ☑ Monitoring Well ☐ Extraction Well ☐ Piezometer ☐ System ☐ Other:

PURGE/SAMPLE EQUIPMENT

Pump Dedicated? ☐ Yes ☑ No ID#: 2412 ☑ Bladder ☐ Submersible ☐ Sump ☐ Peristaltic ☐ Other:	Tubing Dedicated? ☑ Yes ☐ No ☐ Disposable ☐ PVC ☑ Polyethylene ☑ Teflon ☐ Silicone ☐ Tygon
Bailer Dedicated? ☐ Yes ☐ No Type: ☑ NA	Decon Method: ☐ Steam ☑ Alconox ☑ DI Water ☐ NA
Totalizer (Start): — Rate: —	Totalizer (End): — Rate: —

WELL MEASUREMENTS (Compare with Well Construction Details, if available)

Well Diameter	4 in.	Well Casing Material:	PVC	Low-Flow/Micropurge Method?	☑ Yes ☐ No
Depth to Water	7.90 ft.	DTW Reference Point[1]:	TOC	Required Purge Volume[2] (units):	NA
Measured Well Depth	19.85 ft.	Pump Intake Set At:	11 ft. ☐ NA	Actual Purge Volume (units):	1800ml

STABILIZATION PARAMETERS (Document instrument information on Calibration Log)

Pump Rate/Volume (units: 150ml/min)	Time	DTW ft	pH units	EC µS/cm	DO mg/L	ORP mV	Temp °C
Pre	1519	7.90	6.31	1227	7.01	234.8	18.16
450ml	1528	8.02	6.40	1219	2.24	196.1	17.99
900ml	1531	8.07	6.40	1226	2.17	177.0	18.03
1350ml	1534	8.16	6.43	1146	2.05	172.4	18.08
1800ml	1537	8.21	6.43	1231	2.18	170.1	18.12
Final Readings:	**Temperature:** 18.12 °C						
☐ Stabilization Goals (project specific):							
☑ Stabilization Goals (USEPA):		± 0.1 units	± 3%	± 0.3 mg/L	± 10 mV		

SAMPLE APPEARANCE VOAs free of air bubbles? ☑ Yes ☐ No (Explain):

Color:	☑ Clear ☐ Gray ☐ Yellow ☐ Brown ☐ Tan ☐ Black ☐ Cloudy ☐ Other:
Odor:	☑ None ☐ Gasoline ☐ Diesel ☐ Solvent ☐ Sulfur ☐ Metallic ☐ Other:
Solids:	☑ None ☐ Sheen ☐ Trace ☐ Measurable Amount (units): ☐ Silt ☐ Sand ☐ Gravel ☐ Organic Material ☐ Separate Phase Hydrocarbons ☐ Other:

COMMENTS, WELL CONDITIONS (LOCKS, CASING, PLUGS, SEAL, VAULT), PROBLEMS and/or CONCERNS:

–

VARIANCE FROM SAMPLING PROTOCOL: ☑ No Variances

Sampler Signature: [signature] **Date:** 2-20-15

Notes 1. Depth to water reference point can be top of casing (TOC), port, notch or other. 2. Normally, 3 water-filled casing volumes; for low-flow sampling see protocol.

Weiss Associates

Well Construction Details
Kelly Moore, 969 San Pablo Ave., Albany
Project No.: 459-2045.01

Initials: AMB
Date: 2-20-15

Well ID	Casing Diameter (inches)	TOC Elevation (ft msl)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Screened Midpoint (ft bgs)		
MW-2	4	42.14	14.58	9.5-14.5	12		
MW-3	4	41.49	14.30	9.5-14.5	12		
MW-4	4	41.15	14.69	10-15	12.5		
MW-5	4	41.71	20.10	5-20	12.5		
MW-6	4	42.04	19.85	5-20	12.5		

Notes and Abbreviations:
ft bgs = feet below ground surface
ft msl = feet above mean sea level
TOC = top-of-casing
Well depth as of 10/2012

Weiss Associates

Water Levels Sheet
Kelly Moore, Albany
Project No.: 459-2045.01

Initials: AMB
Date: 2-20-15
Meter #: 200589

#REF!

Well ID	TOC Elevation (ft. msl)	DTW 2/20/2015 (ft. bTOC)	Well Depth 10/1/2014 (ft. bTOC)	DTW 10 2012 (ft. bBToc)	Time of measurement	Comments	
MW-2	42.14	7.86	14.58	9.74	0936	New lock	
MW-3	41.49	7.47	14.30	9.35	0924	New lock	
MW-4	41.15	8.11	14.69	9.38	1027	New lock	
MW-5	41.71	8.51	20.10	9.6	0940	new lock	
MW-6	42.04	7.90	19.85	9.7	1009	New lock	

Notes and Abbreviations:

DTW = depth to water
ft bTOC = feet below Top of Casing
ft msl = feet above mean sea level
NM= not measured
TOC = top-of-casing

Weiss Associates

ATTACHMENT C

DATA VALIDATION SUMMARY, LABORATORY REPORT
AND CHAIN-OF-CUSTODY FORM

Weiss Associates

ATTACHMENT C

DATA VALIDATION SUMMARY
Former Firestone Tire Store #3655
969 San Pablo Avenue, Albany, California

A Weiss chemist performed a Level II validation of the analytical data after Curtis & Tompkins, Ltd. provided the analytical report for laboratory job number 264827, dated February 27, 2015. The sample delivery group consisted of the following samples collected from the site on February 20, 2015: five primary groundwater samples, one field duplicate, one rinseate blank, and one trip blank. No data were rejected during this validation review. Therefore, all laboratory data are useful and valid for the intended purpose. The results of the review are presented below.

Sample Receipt by Laboratory: The samples were received on ice and intact, directly from the field. The sample containers were properly preserved, labeled, and intact. Sample custody papers were properly completed and filled out.

Method Holding Times: The method holding times were met for all samples.

Field Duplicate: All analytes present in the primary sample were present in the associated field duplicate. The relative percent differences for all detections in the primary sample and duplicate were less than 40% and, therefore, acceptable.

Rinseate Blank: No analytes were detected in the rinseate blank at or above reporting limits. A trace concentration (i.e., a concentration between the reporting and method detection limit) of total petroleum hydrocarbons as diesel (TPH-D) was detected in the rinseate blank. Five other samples also contained trace-level contamination, but they did not contain TPH-D above the reporting limit.

Trip Blank: No analytes were detected in the trip blank at or above reporting limits except for a trace concentration of acetone, a common laboratory contaminant. Although acetone was detected at trace levels in seven associated samples, no acetone was detected in these samples above reporting limits.

Laboratory Method Blanks: No analytes were detected in the method blanks at or above reporting limits except for a trace concentration of carbon disulfide in the method blank for USEPA Method 8260B. Although carbon disulfide was detected at trace levels in six associated samples, no carbon disulfide was detected in these samples above reporting limits.

Laboratory Control Samples: Control samples and control sample duplicates were analyzed by the laboratory at the required frequency. All recoveries and relative percent differences were within the laboratory's acceptable ranges.

Detections below Reporting Limits: A total of 15 primary sample results are between the reporting limit and method detection limit. Some of these trace concentrations are noted on Table 2.

Comparison of Chromatograms with Laboratory Standards: One TPH-D result exhibited a chromatographic pattern that did not resemble the laboratory's calibration standard (flagged by the laboratory as "Y"). Two total petroleum hydrocarbons as gasoline results exhibited discrete peaks (flagged by the laboratory as "Z") and are likely not due to the presence of gasoline.


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 264827
ANALYTICAL REPORT

Weiss Associates	Project : 459-2045.01
2200 Powell Street	Location : Kelly Moore Albany
Emeryville, CA 94608	Level : II

Sample ID	Lab ID
KMA-02 15-MW-2	264827-001
KMA-02 15-MW-3	264827-002
KMA-02 15-MW-4	264827-003
KMA-02 15-MW-5	264827-004
KMA-02 15-MW-6	264827-005
KMA-02 15-TB	264827-006
KMA-02 15-RB	264827-007
KMA-02 15-DUP	264827-008

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Isabelle Choy Date: 02/27/2015

Isabelle Choy
Project Manager
isabelle.choy@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**264827**
Client:	**Weiss Associates**
Project:	**459-2045.01**
Location:	**Kelly Moore Albany**
Request Date:	**02/20/15**
Samples Received:	**02/20/15**

This data package contains sample and QC results for eight water samples, requested for the above referenced project on 02/20/15. The samples were received on ice and intact, directly from the field.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Carbon disulfide was detected between the MDL and the RL in the method blank for batch 220781; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):
No analytical problems were encountered.

264827

Chain of Custody Record

Curtis & Tompkins
2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Please send analytic results, electronic deliverables and the original chain-of-custody form to:
labresults@weiss.com
bpb@weiss.com
edh@weiss.com

INSTRUCTIONS FOR LAB PERSONNEL:

GeoTracker EDF required? X Yes o No
Equis 4-file EDWEDD required? o Yes X No
Report results to: X MDL o RL

Company Contact	Project Manager: Elyse Heilshorn
Weiss Associates	Project ID: 459-2045.01
2200 Powell Street, Suite 925	Sampled by: Alan Bainbridge, James Welles
Emeryville, CA 94608	Sample date(s): 2-20-15
(510) 450-6000 Phone	**Analysis Turnaround Time:**
(510) 547-5043 FAX	Normal - 5 Day
Job Name: Kelly Moore Albany	(Specify Days or Hours)
Address: 969 San Pablo Ave., Albany	

Protocol ID/path:

COC Number:

Page 1 of 1

SDG number:

Sample Specific Notes:

Lab ID	Sample Identification	Sample Date	Sample Time	Sample Matrix	# of Cont.	Analyte (Method ID) VOCs/TPH-G by 8260B	TPH-D, MO by 8015M	Semi-volatile organics (SVOC) by 8270C
1	KMA-02 15-MW-2	2-20-15	1455	WG	7	X	X	X
2	KMA-02 15-MW-3		1540	WG	7	X	X	X
3	KMA-02 15-MW-4		1625	WG	7	X	X	X
4	KMA-02 15-MW-5		1603	WG	7	X	X	X
5	KMA-02 15-MW-6		1540	WG	7	X	X	X
6	KMA-02 15-TB		1030	WG	3	X		
7	KMA-02 15-RB		1705	WG	7	X	X	X
8	KMA-02 15-Dup		1630	WG	7	X	X	X
					Field Filtered (X):			
					Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other	1,2	1	1

Special Instructions/QC Requirements & Comments: Level 2 Reporting. Report results to Method Detection Limit (with qualifications). Notify us of any anomalous peaks in GC or other scans.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
☐	Weiss Associates	2/20/15 17:45	○	CT	2/20 1745
Relinquished by: ☐	Company:	Date/Time:	Received by: ○	Company:	Date/Time:
Relinquished by: ☐	Company:	Date/Time:	Received by: ○	Company:	Date/Time:

☒ = Samples released to a secured, locked area.

● = Samples received from a secured, locked area

rec'd on ice.

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 260827 Date Received 2/20/15 Number of coolers 2
Client Weiss Associates Project Kelly Moore Albany

Date Opened 2/20 By (print) KL (sign)
Date Logged in 2/20 By (print) BL (sign)

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
Shipping info

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe)

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C)

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☒ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES (NO)
If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are there any missing / extra samples? YES (NO)
11. Are samples in the appropriate containers for indicated tests? (YES) NO
12. Are sample labels present, in good condition and complete? (YES) NO
13. Do the sample labels agree with custody papers? (YES) NO
14. Was sufficient amount of sample sent for tests requested? (YES) NO
15. Are the samples appropriately preserved? (YES) NO N/A
16. Did you check preservatives for all bottles for each sample? YES NO (N/A)
17. Did you document your preservative check? YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? (YES) NO N/A
21. Was the client contacted concerning this sample delivery? YES (NO)
If YES, Who was called? By Date:

COMMENTS

Rev 10, 9/12

Curtis & Tompkins, Ltd.

Detections Summary for 264827

Results for any subcontracted analyses are not included in this summary.

Client : Weiss Associates
Project : 459-2045.01
Location : Kelly Moore Albany

Client Sample ID : KMA-02 15-MW-2 Laboratory Sample ID : 264827-001

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	100	Y	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	130	J	300	96	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Acetone	0.4	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	0.1	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethane	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.3	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	0.4	J	0.5	0.2	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KMA-02 15-MW-3 Laboratory Sample ID : 264827-002

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	31	J	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Acetone	0.7	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chloroform	0.1	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	0.3	J	0.5	0.2	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KMA-02 15-MW-4 Laboratory Sample ID : 264827-003

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	45	J	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Gasoline C7-C12	42	J,Z	50	14	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Acetone	0.4	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethene	1.4		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	0.3	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethane	43		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	11		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chloroform	0.3	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	7.5		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	26		0.5	0.2	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

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Client Sample ID : KMA-02 15-MW-5 Laboratory Sample ID : 264827-004

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	27	J	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Acetone	0.6	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	0.1	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethane	2.3		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chloroform	0.4	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	0.5		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	8.3		0.5	0.2	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
bis(2-Ethylhexyl)phthalate	2.3	J	10	1.6	ug/L	As Recd	1.000	EPA 8270C	EPA 3520C

Client Sample ID : KMA-02 15-MW-6 Laboratory Sample ID : 264827-005

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	47	J	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Acetone	0.7	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethane	0.7		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chloroform	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	1.2		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	5.1		0.5	0.2	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KMA-02 15-TB Laboratory Sample ID : 264827-006

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Acetone	0.7	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

Client Sample ID : KMA-02 15-RB Laboratory Sample ID : 264827-007

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	22	J	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Acetone	0.7	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	0.1	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

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Client Sample ID : KMA-02 15-DUP Laboratory Sample ID : 264827-008

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	49	J	50	16	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Gasoline C7-C12	42	J,Z	50	14	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Acetone	0.5	J	10	0.3	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethene	1.6		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Carbon Disulfide	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
trans-1,2-Dichloroethene	0.2	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
1,1-Dichloroethane	49		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
cis-1,2-Dichloroethene	11		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Chloroform	0.4	J	0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Trichloroethene	7.6		0.5	0.1	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B
Tetrachloroethene	27		0.5	0.2	ug/L	As Recd	1.000	EPA 8260B	EPA 5030B

J = Estimated value

Y = Sample exhibits chromatographic pattern which does not resemble standard

Z = Sample exhibits unknown single peak or peaks

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/20/15
Units:	ug/L	Received:	02/20/15
Diln Fac:	1.000	Prepared:	02/23/15
Batch#:	220726		

Field ID: KMA-02 15-MW-2 Lab ID: 264827-001
Type: SAMPLE Analyzed: 02/24/15

Analyte	Result	RL	MDL
Diesel C10-C24	100 Y	50	16
Motor Oil C24-C36	130 J	300	96

Surrogate	%REC	Limits
o-Terphenyl	91	67-136

Field ID: KMA-02 15-MW-3 Lab ID: 264827-002
Type: SAMPLE Analyzed: 02/24/15

Analyte	Result	RL	MDL
Diesel C10-C24	31 J	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	86	67-136

Field ID: KMA-02 15-MW-4 Lab ID: 264827-003
Type: SAMPLE Analyzed: 02/25/15

Analyte	Result	RL	MDL
Diesel C10-C24	45 J	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	100	67-136

Field ID: KMA-02 15-MW-5 Lab ID: 264827-004
Type: SAMPLE Analyzed: 02/25/15

Analyte	Result	RL	MDL
Diesel C10-C24	27 J	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	102	67-136

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/20/15
Units:	ug/L	Received:	02/20/15
Diln Fac:	1.000	Prepared:	02/23/15
Batch#:	220726		

Field ID: KMA-02 15-MW-6 Lab ID: 264827-005
Type: SAMPLE Analyzed: 02/25/15

Analyte	Result	RL	MDL
Diesel C10-C24	47 J	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	90	67-136

Field ID: KMA-02 15-RB Lab ID: 264827-007
Type: SAMPLE Analyzed: 02/25/15

Analyte	Result	RL	MDL
Diesel C10-C24	22 J	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	98	67-136

Field ID: KMA-02 15-DUP Lab ID: 264827-008
Type: SAMPLE Analyzed: 02/25/15

Analyte	Result	RL	MDL
Diesel C10-C24	49 J	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	96	67-136

Type: BLANK Analyzed: 02/24/15
Lab ID: QC778390

Analyte	Result	RL	MDL
Diesel C10-C24	ND	50	16
Motor Oil C24-C36	ND	300	96

Surrogate	%REC	Limits
o-Terphenyl	94	67-136

J= Estimated value
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC778391	Batch#:	220726
Matrix:	Water	Prepared:	02/23/15
Units:	ug/L	Analyzed:	02/24/15

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,891	76	60-121

Surrogate	%REC	Limits
o-Terphenyl	83	67-136

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	220726
MSS Lab ID:	264735-006	Sampled:	02/17/15
Matrix:	Water	Received:	02/17/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Type: MS Lab ID: QC778392

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	<16.49	2,500	2,045	82	55-122

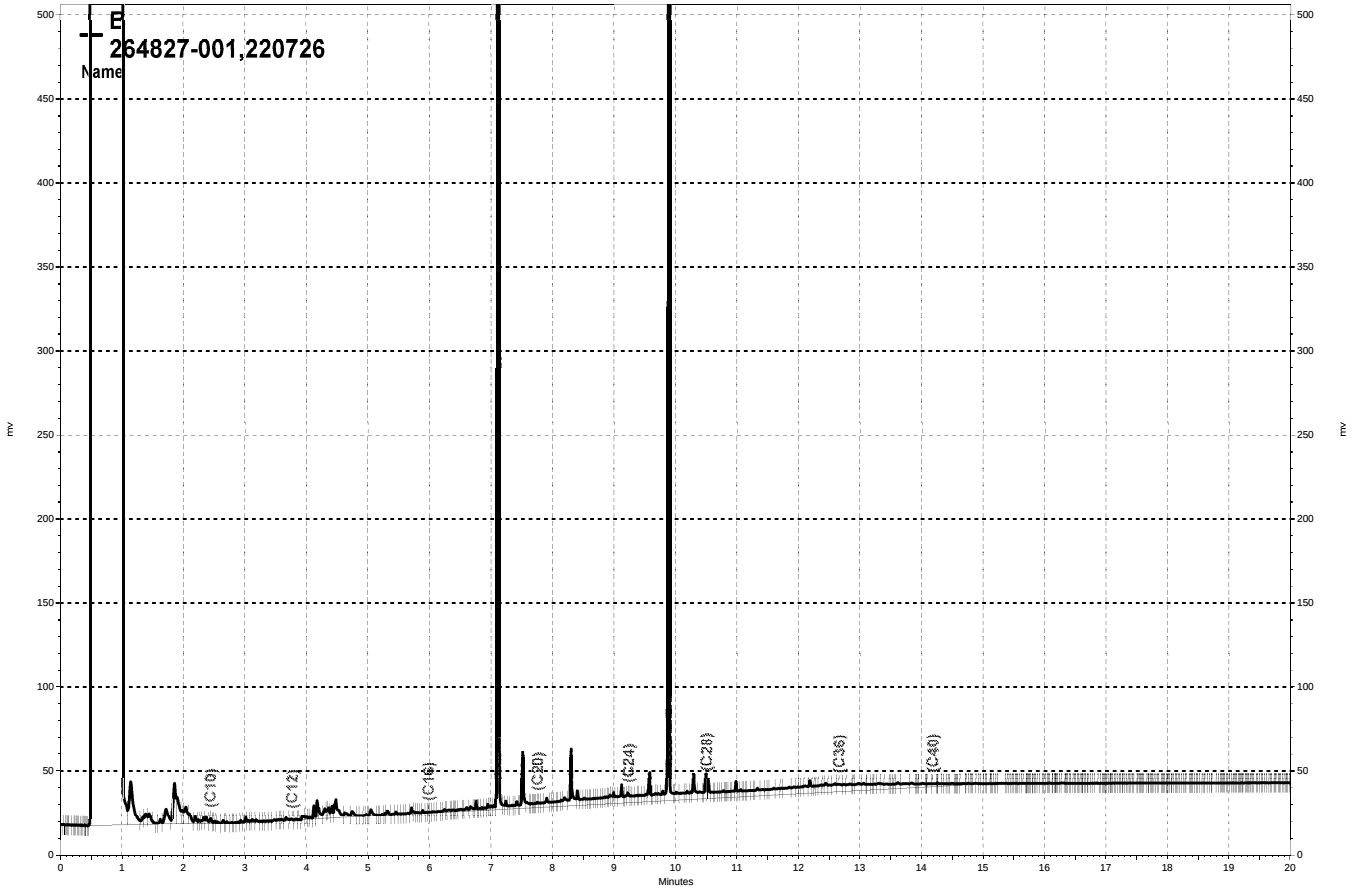
Surrogate	%REC	Limits
o-Terphenyl	91	67-136

Type: MSD Lab ID: QC778393

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,110	84	55-122	3	53

Surrogate	%REC	Limits
o-Terphenyl	85	67-136

RPD= Relative Percent Difference



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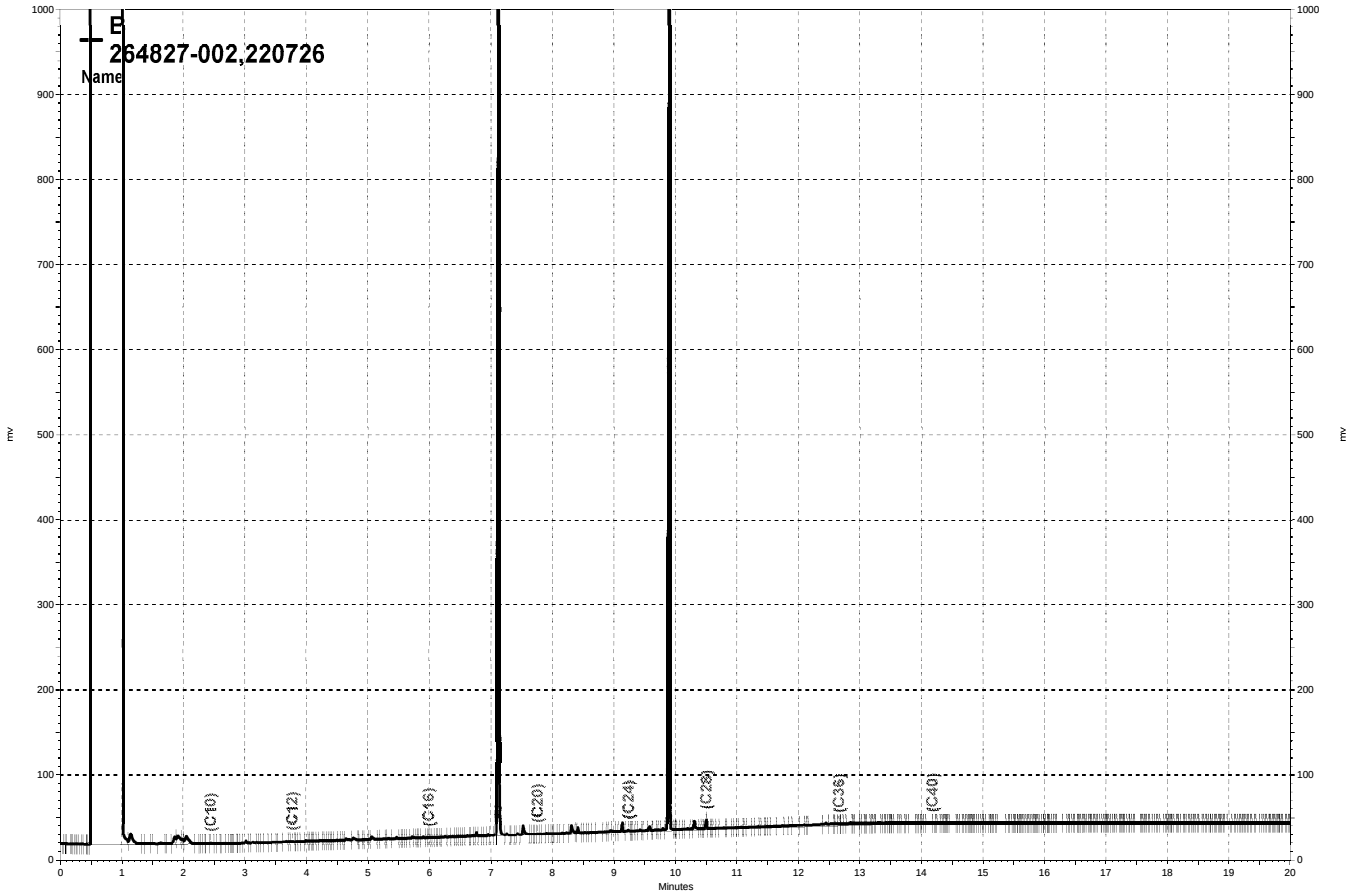

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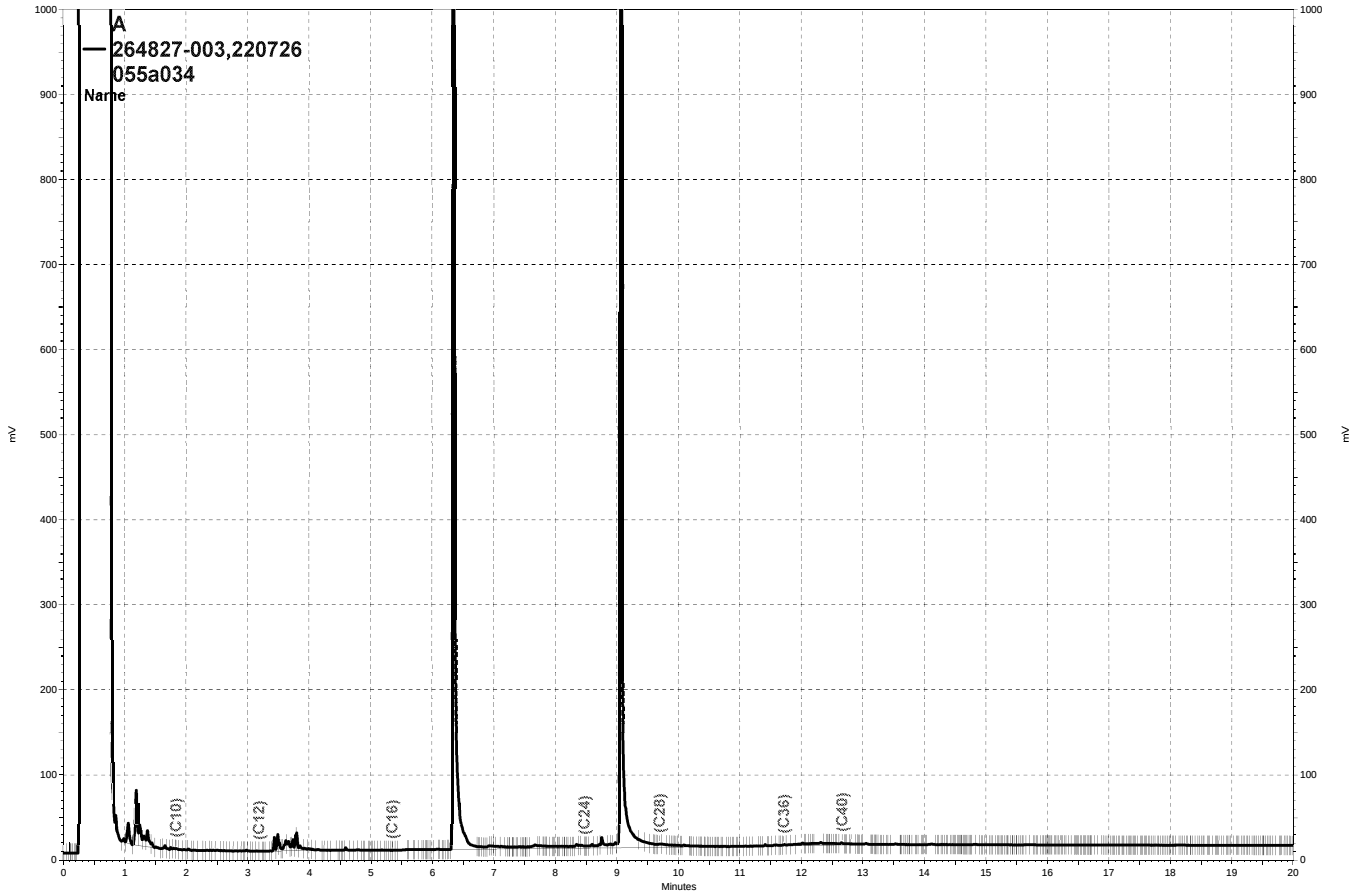

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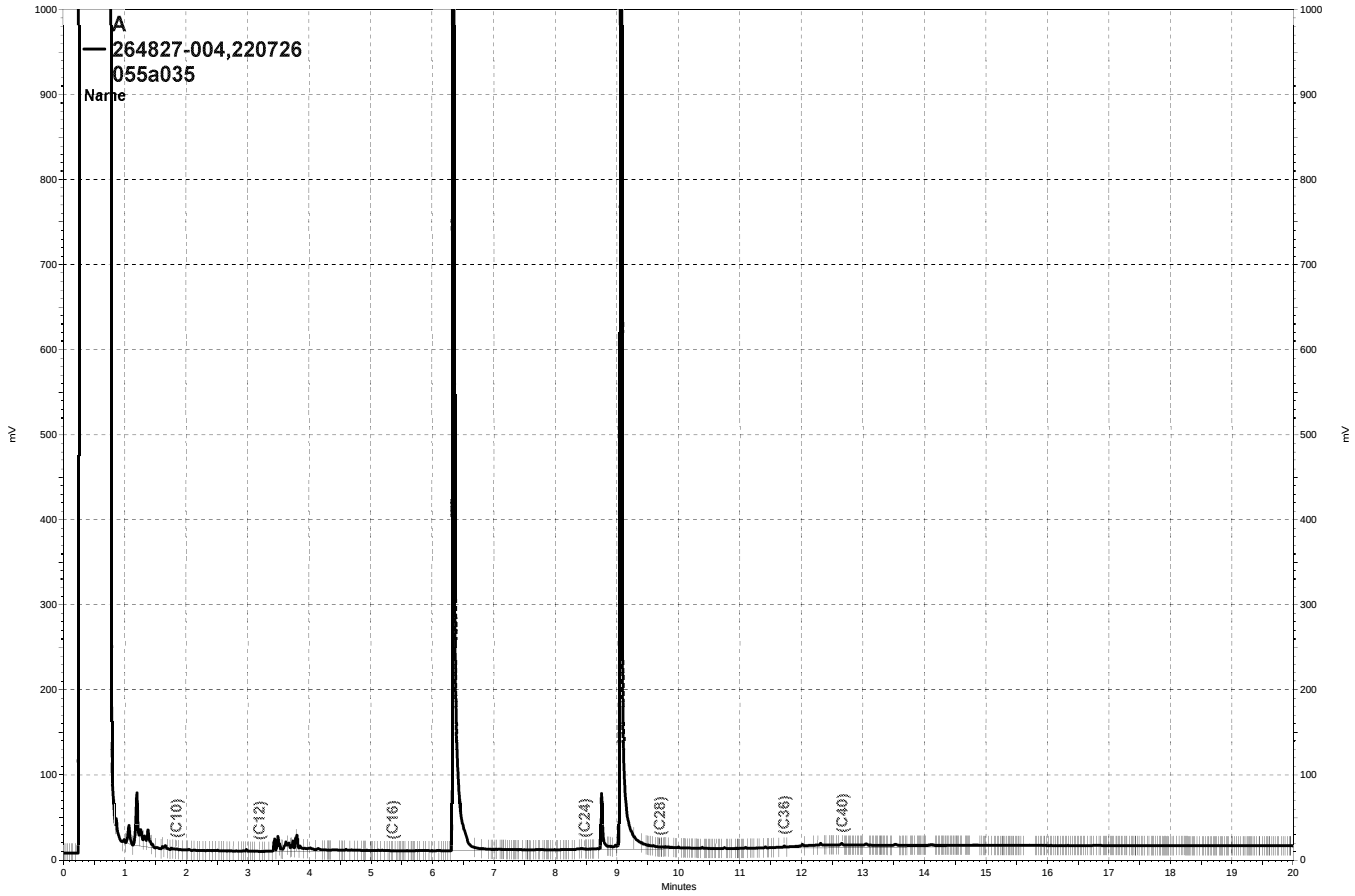

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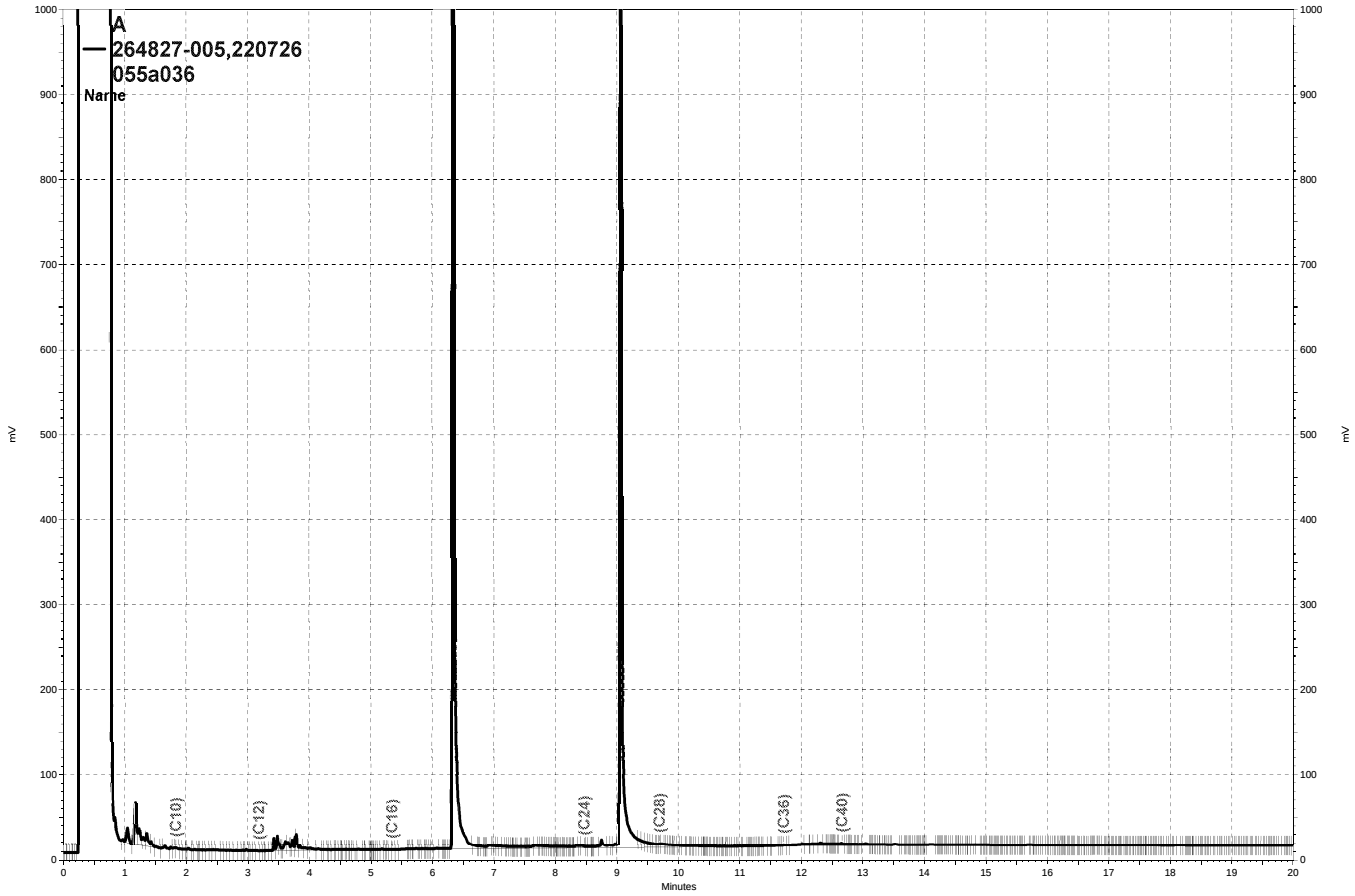

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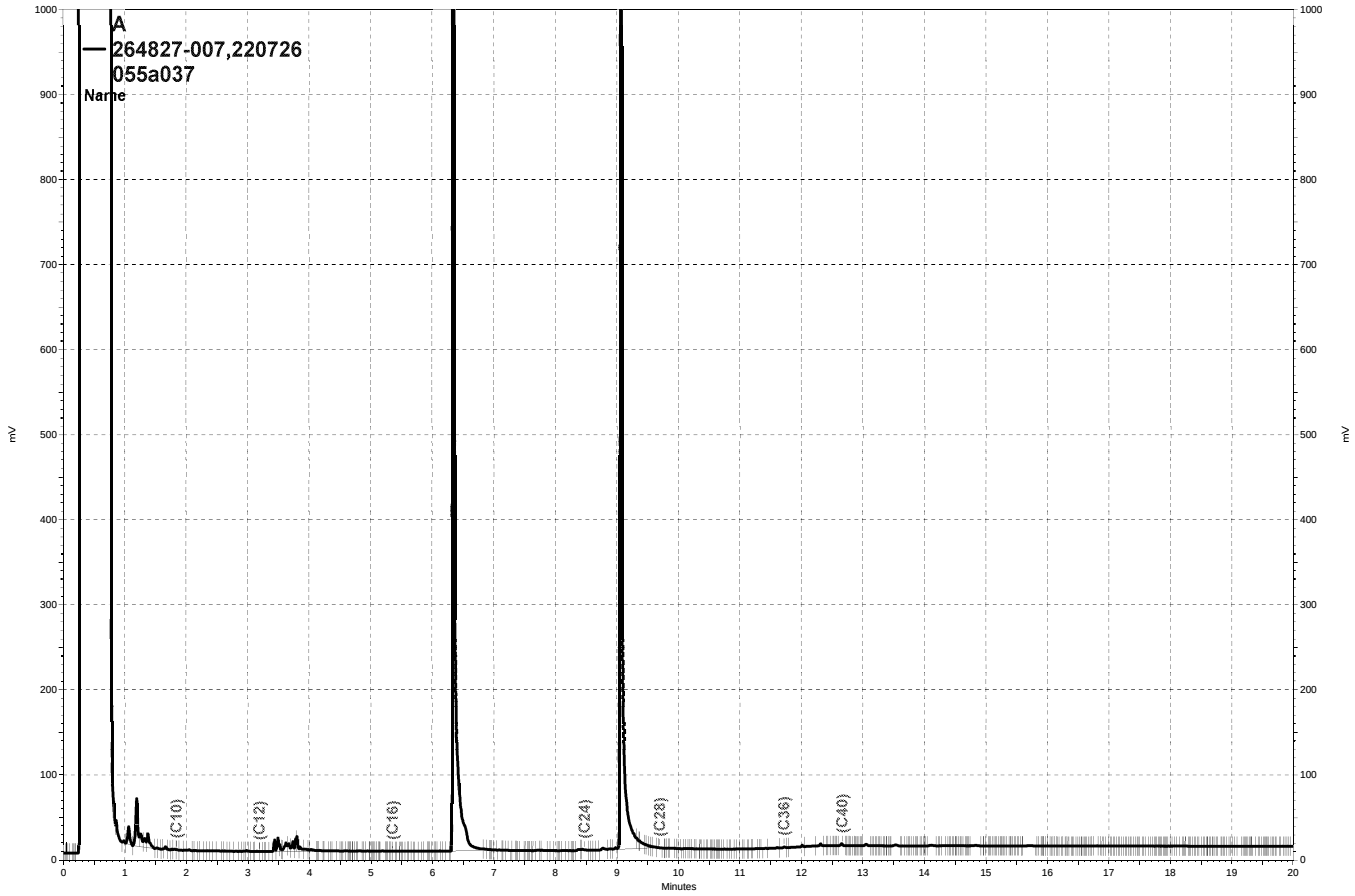

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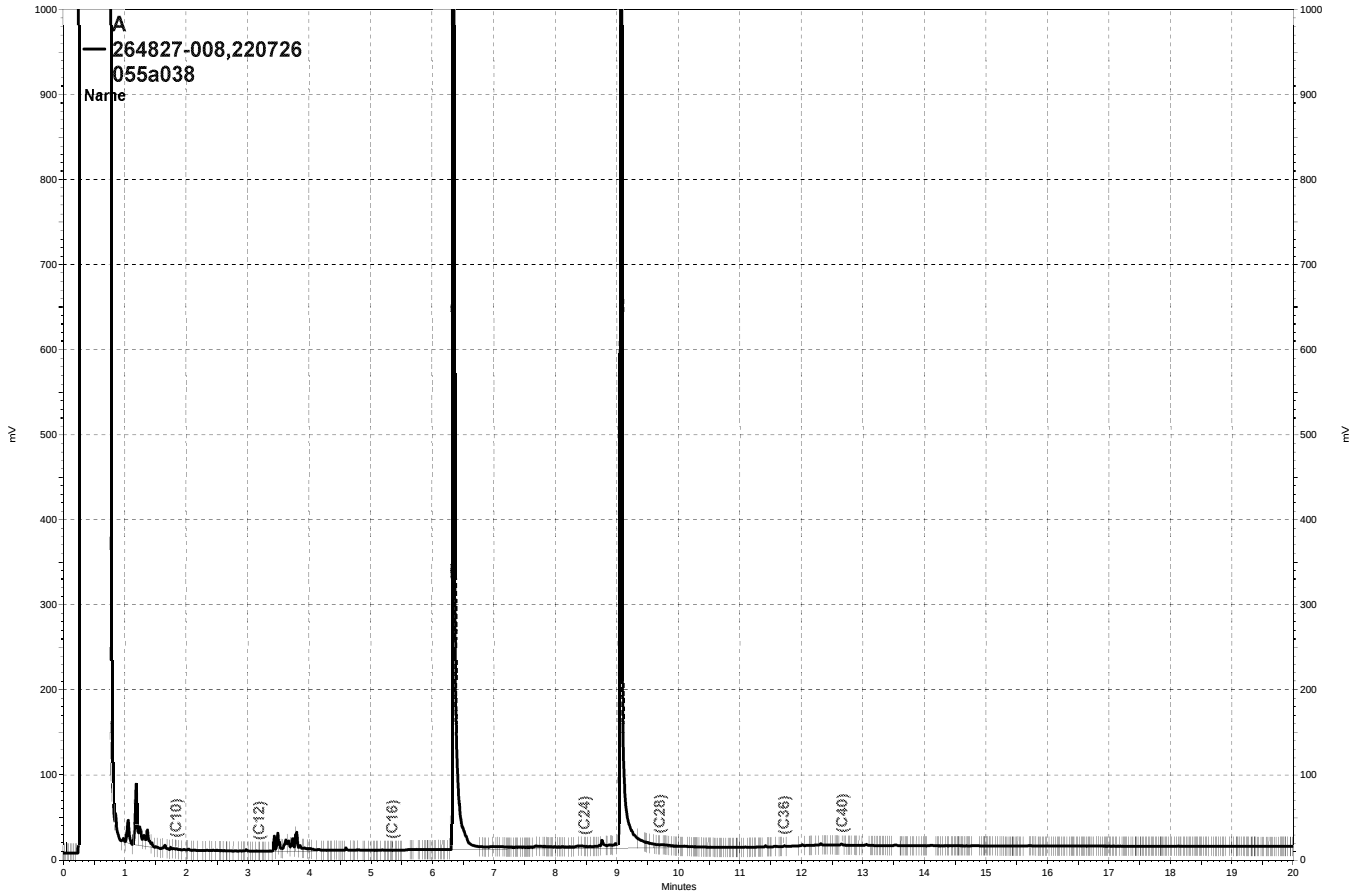

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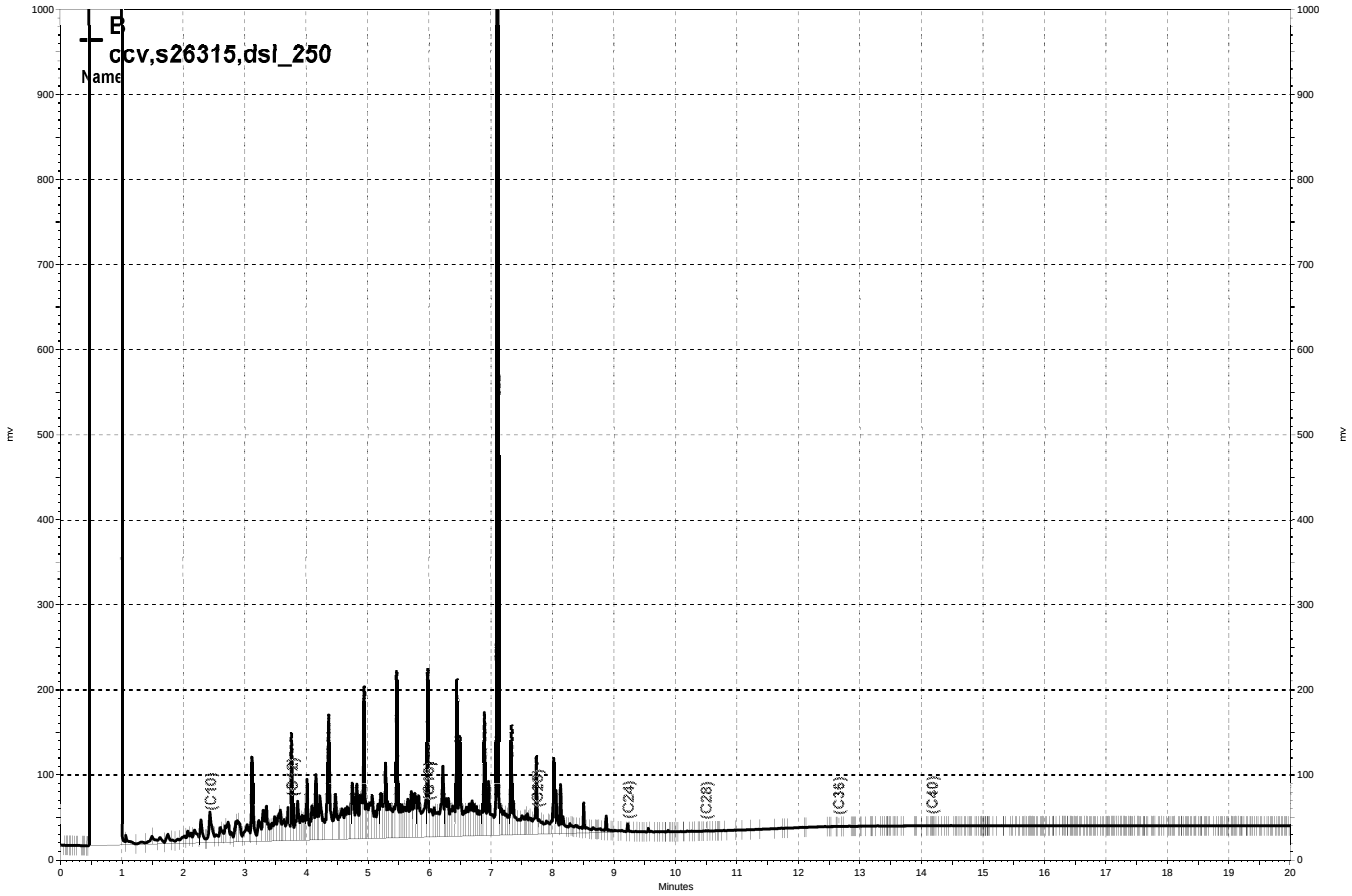

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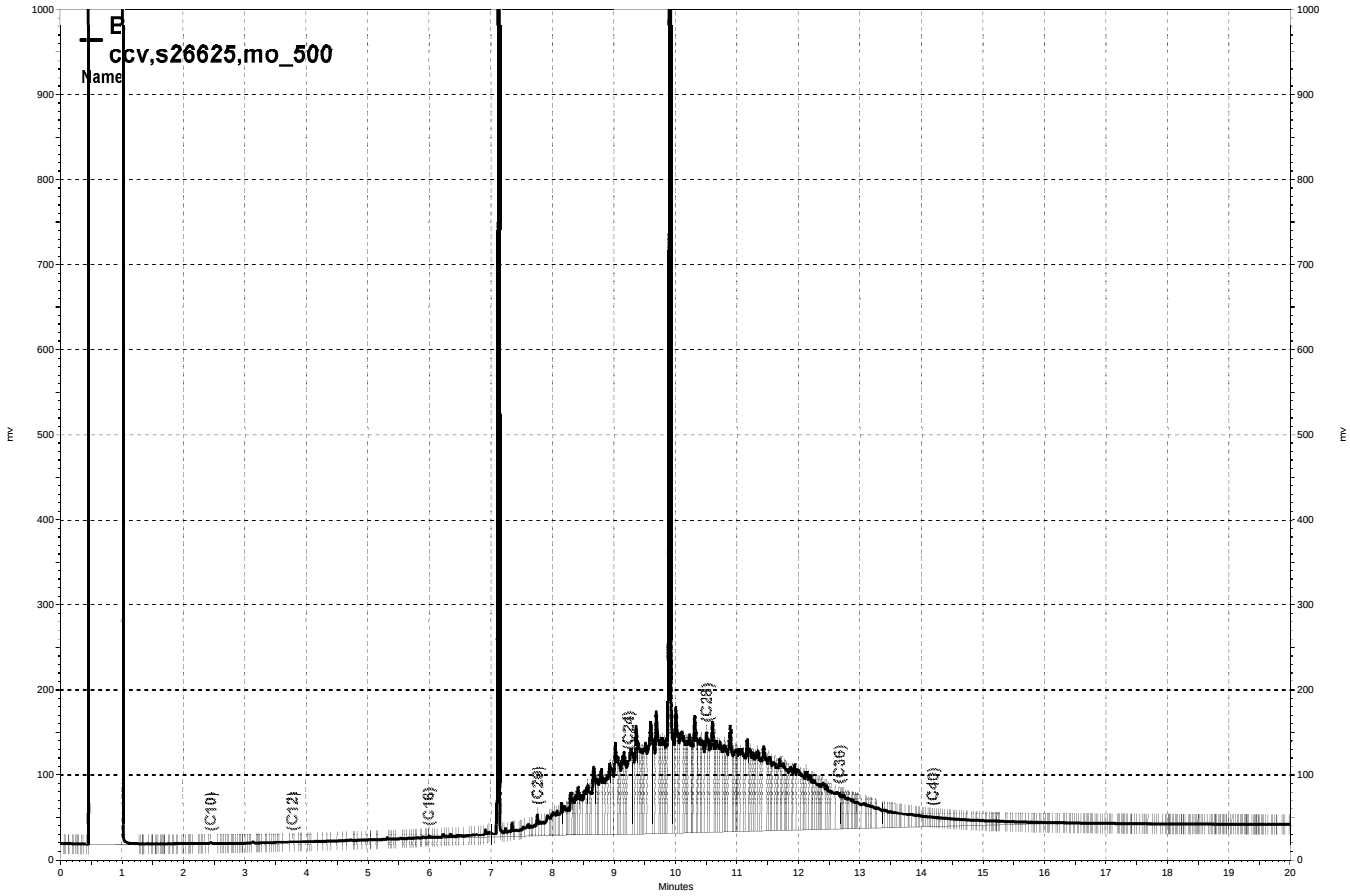

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Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-2	Batch#:	220781
Lab ID:	264827-001	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.4 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.1 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	0.2 J	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	ND	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	0.3 J	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	0.4 J	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-2	Batch#:	220781
Lab ID:	264827-001	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128
1,2-Dichloroethane-d4	106	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-3	Batch#:	220781
Lab ID:	264827-002	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.7 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	ND	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	0.1 J	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	ND	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	0.3 J	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-3	Batch#:	220781
Lab ID:	264827-002	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	110	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	103	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-4	Batch#:	220781
Lab ID:	264827-003	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	42 J Z	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.4 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	1.4	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.2 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	0.3 J	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	43	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	11	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	0.3 J	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	7.5	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	26	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1

J= Estimated value
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-4	Batch#:	220781
Lab ID:	264827-003	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-128
1,2-Dichloroethane-d4	111	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-120

J= Estimated value
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-5	Batch#:	220781
Lab ID:	264827-004	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.6 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.1 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	2.3	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	0.4 J	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	0.5	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	8.3	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-5	Batch#:	220781
Lab ID:	264827-004	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128
1,2-Dichloroethane-d4	113	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-6	Batch#:	220781
Lab ID:	264827-005	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.7 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	ND	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	0.7	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	0.2 J	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	0.2 J	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	1.2	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	5.1	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-MW-6	Batch#:	220781
Lab ID:	264827-005	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-128
1,2-Dichloroethane-d4	111	75-139
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-TB	Batch#:	220781
Lab ID:	264827-006	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.7 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.2 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	ND	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	ND	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	ND	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	ND	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-TB	Batch#:	220781
Lab ID:	264827-006	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	99	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-RB	Batch#:	220781
Lab ID:	264827-007	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.7 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.1 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	ND	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	ND	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	ND	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	ND	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-RB	Batch#:	220781
Lab ID:	264827-007	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-128
1,2-Dichloroethane-d4	108	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-DUP	Batch#:	220781
Lab ID:	264827-008	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Gasoline C7-C12	42 J Z	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	0.5 J	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	1.6	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.2 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	0.2 J	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	49	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	11	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	0.4 J	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	7.6	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	27	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1

J= Estimated value
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Field ID:	KMA-02 15-DUP	Batch#:	220781
Lab ID:	264827-008	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-128
1,2-Dichloroethane-d4	111	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-120

J= Estimated value
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220781
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Type: BS Lab ID: QC778598

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	12.50	11.75	94	66-135
Benzene	12.50	12.55	100	80-123
Trichloroethene	12.50	12.26	98	80-123
Toluene	12.50	12.43	99	80-121
Chlorobenzene	12.50	12.37	99	80-123

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-128
1,2-Dichloroethane-d4	96	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	100	80-120

Type: BSD Lab ID: QC778599

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	12.50	11.25	90	66-135	4	24
Benzene	12.50	12.03	96	80-123	4	20
Trichloroethene	12.50	11.91	95	80-123	3	20
Toluene	12.50	11.83	95	80-121	5	20
Chlorobenzene	12.50	11.99	96	80-123	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-128
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC778600	Batch#:	220781
Matrix:	Water	Analyzed:	02/25/15
Units:	ug/L		

Analyte	Result	RL	MDL
Gasoline C7-C12	ND	50	14
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.1
Vinyl Chloride	ND	0.5	0.1
Bromomethane	ND	1.0	0.1
Chloroethane	ND	1.0	0.1
Trichlorofluoromethane	ND	1.0	0.1
Acetone	ND	10	0.3
Freon 113	ND	2.0	0.1
1,1-Dichloroethene	ND	0.5	0.1
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.2 J	0.5	0.1
MTBE	ND	0.5	0.1
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.2
1,1-Dichloroethane	ND	0.5	0.1
2-Butanone	ND	10	0.3
cis-1,2-Dichloroethene	ND	0.5	0.1
2,2-Dichloropropane	ND	0.5	0.1
Chloroform	ND	0.5	0.1
Bromochloromethane	ND	0.5	0.1
1,1,1-Trichloroethane	ND	0.5	0.1
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.2
1,2-Dichloroethane	ND	0.5	0.1
Benzene	ND	0.5	0.1
Trichloroethene	ND	0.5	0.1
1,2-Dichloropropane	ND	0.5	0.1
Bromodichloromethane	ND	0.5	0.1
Dibromomethane	ND	0.5	0.1
4-Methyl-2-Pentanone	ND	10	0.1
cis-1,3-Dichloropropene	ND	0.5	0.1
Toluene	ND	0.5	0.1
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.1
Tetrachloroethene	ND	0.5	0.2
Dibromochloromethane	ND	0.5	0.1
1,2-Dibromoethane	ND	0.5	0.1
Chlorobenzene	ND	0.5	0.1
1,1,1,2-Tetrachloroethane	ND	0.5	0.1
Ethylbenzene	ND	0.5	0.1
m,p-Xylenes	ND	0.5	0.1
o-Xylene	ND	0.5	0.2
Styrene	ND	0.5	0.1
Bromoform	ND	1.0	0.2
Isopropylbenzene	ND	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.1
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC778600	Batch#:	220781
Matrix:	Water	Analyzed:	02/25/15
Units:	ug/L		

Analyte	Result	RL	MDL
1,3,5-Trimethylbenzene	ND	0.5	0.1
2-Chlorotoluene	ND	0.5	0.2
4-Chlorotoluene	ND	0.5	0.1
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.1
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	2.0	0.2
Naphthalene	ND	2.0	0.2
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-128
1,2-Dichloroethane-d4	96	75-139
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 5030B
Project#:	459-2045.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	220781
Units:	ug/L	Analyzed:	02/25/15
Diln Fac:	1.000		

Type: BS Lab ID: QC778601

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	891.7	89	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-128
1,2-Dichloroethane-d4	95	75-139
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-120

Type: BSD Lab ID: QC778602

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	827.2	83	70-130	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-128
1,2-Dichloroethane-d4	93	75-139
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

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Date : 25-FEB-2015 16:17

Client ID: DYNA P&T

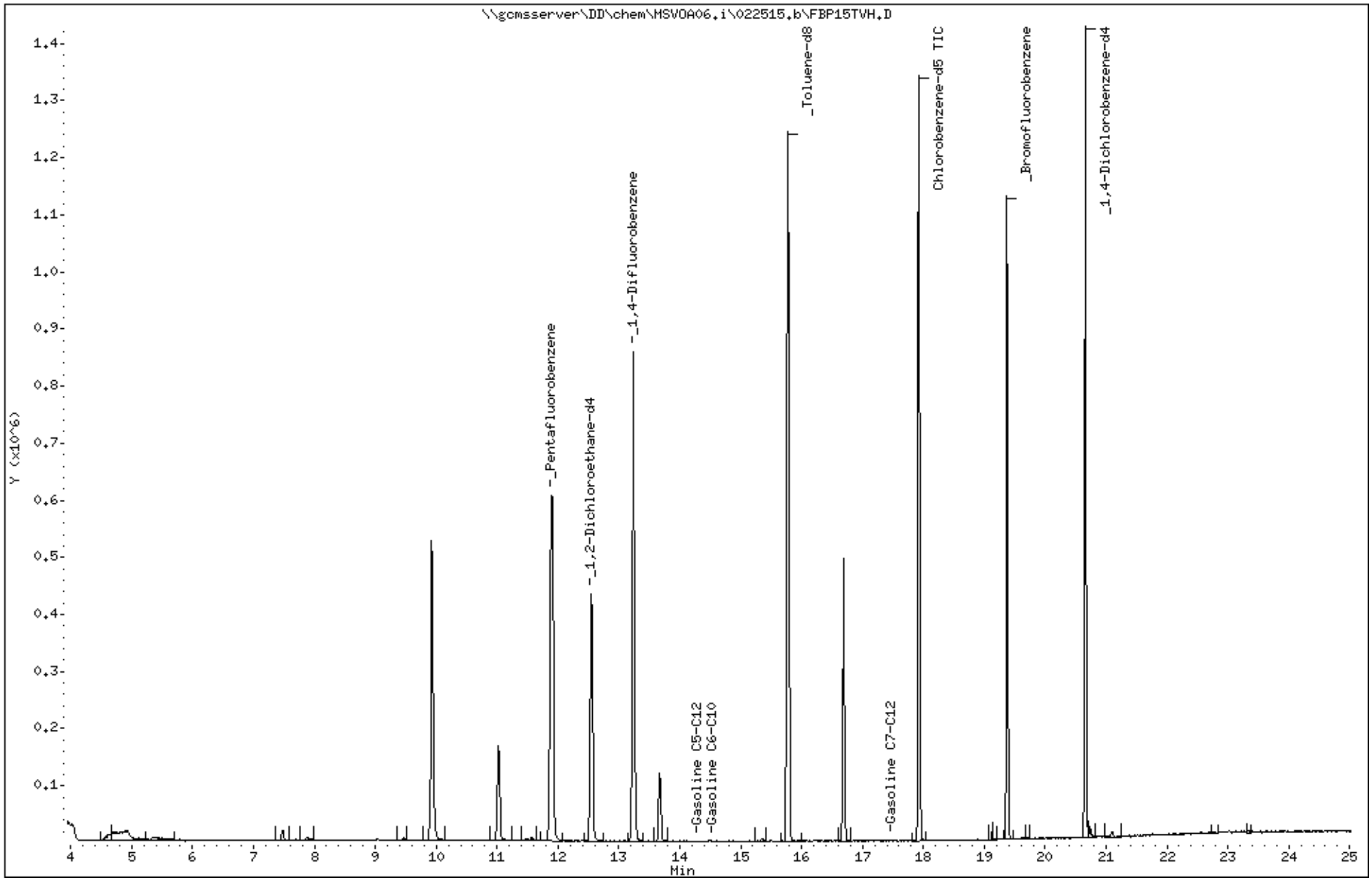
Instrument: MSVOA06.i

Sample Info: s,264827-003

Operator: VOC

Column phase:

Column diameter: 2.00



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Date : 25-FEB-2015 19:33

Client ID: DYNA P&T

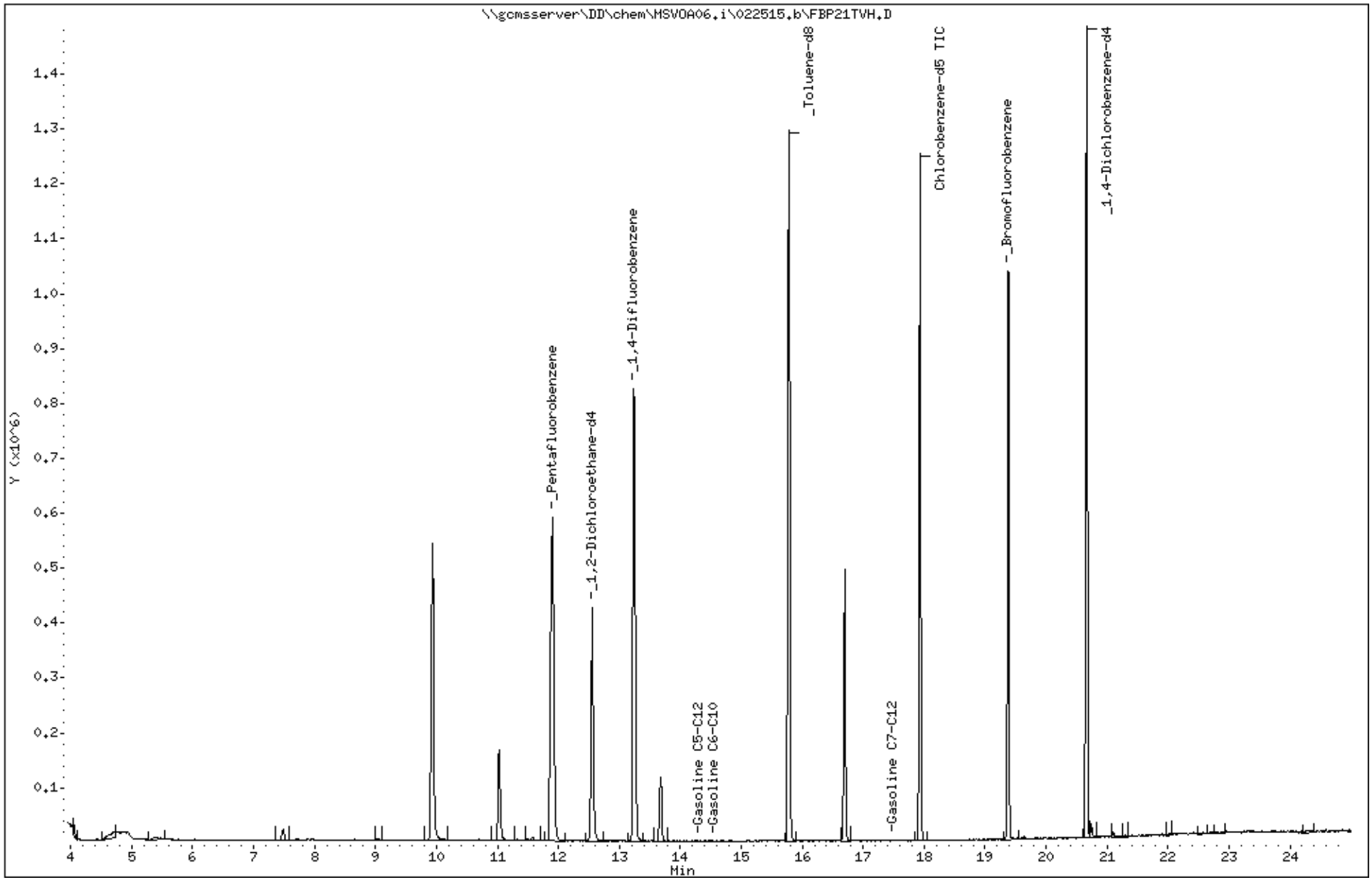
Instrument: MSVOA06.i

Sample Info: s,264827-008

Operator: VOC

Column phase:

Column diameter: 2.00



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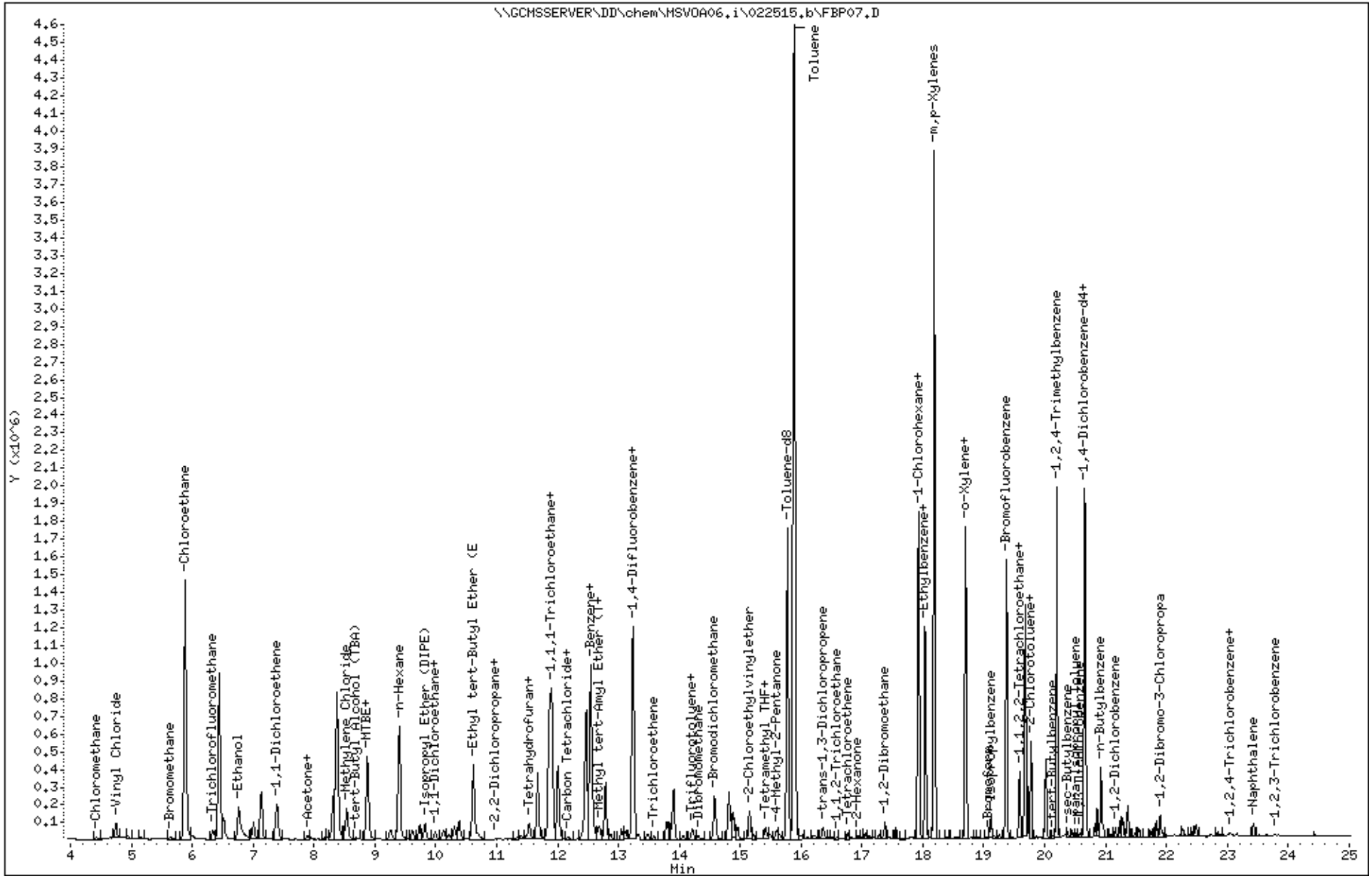
Operator: VOC
Column phase: RTX 624
Column diameter: 0.25



Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-2	Batch#:	220724
Lab ID:	264827-001	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.76
Phenol	ND	10	0.98
bis(2-Chloroethyl)ether	ND	10	1.8
2-Chlorophenol	ND	10	1.0
1,3-Dichlorobenzene	ND	10	0.67
1,4-Dichlorobenzene	ND	10	0.65
Benzyl alcohol	ND	10	0.59
1,2-Dichlorobenzene	ND	10	0.69
2-Methylphenol	ND	10	0.63
bis(2-Chloroisopropyl) ether	ND	10	0.81
4-Methylphenol	ND	10	0.60
N-Nitroso-di-n-propylamine	ND	10	0.84
Hexachloroethane	ND	10	0.69
Nitrobenzene	ND	10	0.60
Isophorone	ND	10	0.67
2-Nitrophenol	ND	20	3.1
2,4-Dimethylphenol	ND	10	0.69
Benzoic acid	ND	50	15
bis(2-Chloroethoxy)methane	ND	10	0.56
2,4-Dichlorophenol	ND	10	0.73
1,2,4-Trichlorobenzene	ND	10	0.61
Naphthalene	ND	10	0.58
4-Chloroaniline	ND	10	0.65
Hexachlorobutadiene	ND	10	0.54
4-Chloro-3-methylphenol	ND	10	0.82
2-Methylnaphthalene	ND	10	0.53
Hexachlorocyclopentadiene	ND	20	0.18
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.55
2-Nitroaniline	ND	20	2.6
Dimethylphthalate	ND	10	0.66
Acenaphthylene	ND	10	0.58
2,6-Dinitrotoluene	ND	10	0.67
3-Nitroaniline	ND	20	0.84
Acenaphthene	ND	10	0.49
2,4-Dinitrophenol	ND	20	2.3
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	10	0.57
2,4-Dinitrotoluene	ND	10	0.65
Diethylphthalate	ND	10	0.68
Fluorene	ND	10	0.57
4-Chlorophenyl-phenylether	ND	10	0.53
4-Nitroaniline	ND	20	3.3
4,6-Dinitro-2-methylphenol	ND	20	2.5
N-Nitrosodiphenylamine	ND	10	1.9
Azobenzene	ND	10	0.65
4-Bromophenyl-phenylether	ND	10	0.56
Hexachlorobenzene	ND	10	0.68
Pentachlorophenol	ND	20	1.7
Phenanthrene	ND	10	0.71
Anthracene	ND	10	0.62
Di-n-butylphthalate	ND	10	1.4

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-2	Batch#:	220724
Lab ID:	264827-001	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	10	0.77
Pyrene	ND	10	0.74
Butylbenzylphthalate	ND	10	0.82
3,3'-Dichlorobenzidine	ND	20	2.5
Benzo(a)anthracene	ND	10	0.75
Chrysene	ND	10	0.70
bis(2-Ethylhexyl)phthalate	ND	10	1.6
Di-n-octylphthalate	ND	10	0.63
Benzo(b)fluoranthene	ND	10	0.71
Benzo(k)fluoranthene	ND	10	0.66
Benzo(a)pyrene	ND	10	0.57
Indeno(1,2,3-cd)pyrene	ND	10	0.77
Dibenz(a,h)anthracene	ND	10	0.79
Benzo(g,h,i)perylene	ND	10	0.87

Surrogate	%REC	Limits
2-Fluorophenol	62	38-120
Phenol-d5	65	38-120
2,4,6-Tribromophenol	76	46-120
Nitrobenzene-d5	66	51-120
2-Fluorobiphenyl	75	54-120
Terphenyl-d14	67	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-3	Batch#:	220724
Lab ID:	264827-002	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.76
Phenol	ND	10	0.98
bis(2-Chloroethyl)ether	ND	10	1.8
2-Chlorophenol	ND	10	1.0
1,3-Dichlorobenzene	ND	10	0.67
1,4-Dichlorobenzene	ND	10	0.65
Benzyl alcohol	ND	10	0.59
1,2-Dichlorobenzene	ND	10	0.69
2-Methylphenol	ND	10	0.63
bis(2-Chloroisopropyl) ether	ND	10	0.81
4-Methylphenol	ND	10	0.60
N-Nitroso-di-n-propylamine	ND	10	0.84
Hexachloroethane	ND	10	0.69
Nitrobenzene	ND	10	0.60
Isophorone	ND	10	0.67
2-Nitrophenol	ND	20	3.1
2,4-Dimethylphenol	ND	10	0.69
Benzoic acid	ND	50	15
bis(2-Chloroethoxy)methane	ND	10	0.56
2,4-Dichlorophenol	ND	10	0.73
1,2,4-Trichlorobenzene	ND	10	0.61
Naphthalene	ND	10	0.58
4-Chloroaniline	ND	10	0.65
Hexachlorobutadiene	ND	10	0.54
4-Chloro-3-methylphenol	ND	10	0.82
2-Methylnaphthalene	ND	10	0.53
Hexachlorocyclopentadiene	ND	20	0.18
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.55
2-Nitroaniline	ND	20	2.6
Dimethylphthalate	ND	10	0.66
Acenaphthylene	ND	10	0.58
2,6-Dinitrotoluene	ND	10	0.67
3-Nitroaniline	ND	20	0.84
Acenaphthene	ND	10	0.49
2,4-Dinitrophenol	ND	20	2.3
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	10	0.57
2,4-Dinitrotoluene	ND	10	0.65
Diethylphthalate	ND	10	0.68
Fluorene	ND	10	0.57
4-Chlorophenyl-phenylether	ND	10	0.53
4-Nitroaniline	ND	20	3.3
4,6-Dinitro-2-methylphenol	ND	20	2.5
N-Nitrosodiphenylamine	ND	10	1.9
Azobenzene	ND	10	0.65
4-Bromophenyl-phenylether	ND	10	0.56
Hexachlorobenzene	ND	10	0.68
Pentachlorophenol	ND	20	1.7
Phenanthrene	ND	10	0.71
Anthracene	ND	10	0.62
Di-n-butylphthalate	ND	10	1.4

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-3	Batch#:	220724
Lab ID:	264827-002	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	10	0.77
Pyrene	ND	10	0.74
Butylbenzylphthalate	ND	10	0.82
3,3'-Dichlorobenzidine	ND	20	2.5
Benzo(a)anthracene	ND	10	0.75
Chrysene	ND	10	0.70
bis(2-Ethylhexyl)phthalate	ND	10	1.6
Di-n-octylphthalate	ND	10	0.63
Benzo(b)fluoranthene	ND	10	0.71
Benzo(k)fluoranthene	ND	10	0.66
Benzo(a)pyrene	ND	10	0.57
Indeno(1,2,3-cd)pyrene	ND	10	0.77
Dibenz(a,h)anthracene	ND	10	0.79
Benzo(g,h,i)perylene	ND	10	0.87

Surrogate	%REC	Limits
2-Fluorophenol	62	38-120
Phenol-d5	67	38-120
2,4,6-Tribromophenol	70	46-120
Nitrobenzene-d5	66	51-120
2-Fluorobiphenyl	73	54-120
Terphenyl-d14	64	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-4	Batch#:	220724
Lab ID:	264827-003	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.73
Phenol	ND	9.6	0.94
bis(2-Chloroethyl)ether	ND	9.6	1.7
2-Chlorophenol	ND	9.6	0.97
1,3-Dichlorobenzene	ND	9.6	0.64
1,4-Dichlorobenzene	ND	9.6	0.62
Benzyl alcohol	ND	9.6	0.57
1,2-Dichlorobenzene	ND	9.6	0.66
2-Methylphenol	ND	9.6	0.61
bis(2-Chloroisopropyl) ether	ND	9.6	0.78
4-Methylphenol	ND	9.6	0.58
N-Nitroso-di-n-propylamine	ND	9.6	0.81
Hexachloroethane	ND	9.6	0.66
Nitrobenzene	ND	9.6	0.58
Isophorone	ND	9.6	0.65
2-Nitrophenol	ND	19	3.0
2,4-Dimethylphenol	ND	9.6	0.66
Benzoic acid	ND	48	14
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.70
1,2,4-Trichlorobenzene	ND	9.6	0.58
Naphthalene	ND	9.6	0.56
4-Chloroaniline	ND	9.6	0.62
Hexachlorobutadiene	ND	9.6	0.52
4-Chloro-3-methylphenol	ND	9.6	0.79
2-Methylnaphthalene	ND	9.6	0.51
Hexachlorocyclopentadiene	ND	19	0.18
2,4,6-Trichlorophenol	ND	9.6	1.1
2,4,5-Trichlorophenol	ND	9.6	1.1
2-Chloronaphthalene	ND	9.6	0.53
2-Nitroaniline	ND	19	2.5
Dimethylphthalate	ND	9.6	0.63
Acenaphthylene	ND	9.6	0.56
2,6-Dinitrotoluene	ND	9.6	0.65
3-Nitroaniline	ND	19	0.81
Acenaphthene	ND	9.6	0.47
2,4-Dinitrophenol	ND	19	2.2
4-Nitrophenol	ND	19	1.1
Dibenzofuran	ND	9.6	0.54
2,4-Dinitrotoluene	ND	9.6	0.63
Diethylphthalate	ND	9.6	0.65
Fluorene	ND	9.6	0.55
4-Chlorophenyl-phenylether	ND	9.6	0.51
4-Nitroaniline	ND	19	3.2
4,6-Dinitro-2-methylphenol	ND	19	2.4
N-Nitrosodiphenylamine	ND	9.6	1.8
Azobenzene	ND	9.6	0.63
4-Bromophenyl-phenylether	ND	9.6	0.53
Hexachlorobenzene	ND	9.6	0.65
Pentachlorophenol	ND	19	1.6
Phenanthrene	ND	9.6	0.68
Anthracene	ND	9.6	0.60
Di-n-butylphthalate	ND	9.6	1.3

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-4	Batch#:	220724
Lab ID:	264827-003	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.74
Pyrene	ND	9.6	0.71
Butylbenzylphthalate	ND	9.6	0.79
3,3'-Dichlorobenzidine	ND	19	2.4
Benzo(a)anthracene	ND	9.6	0.72
Chrysene	ND	9.6	0.68
bis(2-Ethylhexyl)phthalate	ND	9.6	1.6
Di-n-octylphthalate	ND	9.6	0.60
Benzo(b)fluoranthene	ND	9.6	0.68
Benzo(k)fluoranthene	ND	9.6	0.63
Benzo(a)pyrene	ND	9.6	0.55
Indeno(1,2,3-cd)pyrene	ND	9.6	0.74
Dibenz(a,h)anthracene	ND	9.6	0.76
Benzo(g,h,i)perylene	ND	9.6	0.84

Surrogate	%REC	Limits
2-Fluorophenol	74	38-120
Phenol-d5	80	38-120
2,4,6-Tribromophenol	88	46-120
Nitrobenzene-d5	80	51-120
2-Fluorobiphenyl	89	54-120
Terphenyl-d14	73	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-5	Batch#:	220724
Lab ID:	264827-004	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.76
Phenol	ND	10	0.98
bis(2-Chloroethyl)ether	ND	10	1.8
2-Chlorophenol	ND	10	1.0
1,3-Dichlorobenzene	ND	10	0.67
1,4-Dichlorobenzene	ND	10	0.65
Benzyl alcohol	ND	10	0.59
1,2-Dichlorobenzene	ND	10	0.69
2-Methylphenol	ND	10	0.63
bis(2-Chloroisopropyl) ether	ND	10	0.81
4-Methylphenol	ND	10	0.60
N-Nitroso-di-n-propylamine	ND	10	0.84
Hexachloroethane	ND	10	0.69
Nitrobenzene	ND	10	0.60
Isophorone	ND	10	0.67
2-Nitrophenol	ND	20	3.1
2,4-Dimethylphenol	ND	10	0.69
Benzoic acid	ND	50	15
bis(2-Chloroethoxy)methane	ND	10	0.56
2,4-Dichlorophenol	ND	10	0.73
1,2,4-Trichlorobenzene	ND	10	0.61
Naphthalene	ND	10	0.58
4-Chloroaniline	ND	10	0.65
Hexachlorobutadiene	ND	10	0.54
4-Chloro-3-methylphenol	ND	10	0.82
2-Methylnaphthalene	ND	10	0.53
Hexachlorocyclopentadiene	ND	20	0.18
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.55
2-Nitroaniline	ND	20	2.6
Dimethylphthalate	ND	10	0.66
Acenaphthylene	ND	10	0.58
2,6-Dinitrotoluene	ND	10	0.67
3-Nitroaniline	ND	20	0.84
Acenaphthene	ND	10	0.49
2,4-Dinitrophenol	ND	20	2.3
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	10	0.57
2,4-Dinitrotoluene	ND	10	0.65
Diethylphthalate	ND	10	0.68
Fluorene	ND	10	0.57
4-Chlorophenyl-phenylether	ND	10	0.53
4-Nitroaniline	ND	20	3.3
4,6-Dinitro-2-methylphenol	ND	20	2.5
N-Nitrosodiphenylamine	ND	10	1.9
Azobenzene	ND	10	0.65
4-Bromophenyl-phenylether	ND	10	0.56
Hexachlorobenzene	ND	10	0.68
Pentachlorophenol	ND	20	1.7
Phenanthrene	ND	10	0.71
Anthracene	ND	10	0.62

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-5	Batch#:	220724
Lab ID:	264827-004	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Di-n-butylphthalate	ND	10	1.4
Fluoranthene	ND	10	0.77
Pyrene	ND	10	0.74
Butylbenzylphthalate	ND	10	0.82
3,3'-Dichlorobenzidine	ND	20	2.5
Benzo(a)anthracene	ND	10	0.75
Chrysene	ND	10	0.70
bis(2-Ethylhexyl)phthalate	2.3 J	10	1.6
Di-n-octylphthalate	ND	10	0.63
Benzo(b)fluoranthene	ND	10	0.71
Benzo(k)fluoranthene	ND	10	0.66
Benzo(a)pyrene	ND	10	0.57
Indeno(1,2,3-cd)pyrene	ND	10	0.77
Dibenz(a,h)anthracene	ND	10	0.79
Benzo(g,h,i)perylene	ND	10	0.87

Surrogate	%REC	Limits
2-Fluorophenol	68	38-120
Phenol-d5	75	38-120
2,4,6-Tribromophenol	81	46-120
Nitrobenzene-d5	77	51-120
2-Fluorobiphenyl	83	54-120
Terphenyl-d14	77	21-120

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-6	Batch#:	220724
Lab ID:	264827-005	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.73
Phenol	ND	9.6	0.94
bis(2-Chloroethyl)ether	ND	9.6	1.7
2-Chlorophenol	ND	9.6	0.97
1,3-Dichlorobenzene	ND	9.6	0.64
1,4-Dichlorobenzene	ND	9.6	0.62
Benzyl alcohol	ND	9.6	0.57
1,2-Dichlorobenzene	ND	9.6	0.66
2-Methylphenol	ND	9.6	0.61
bis(2-Chloroisopropyl) ether	ND	9.6	0.78
4-Methylphenol	ND	9.6	0.58
N-Nitroso-di-n-propylamine	ND	9.6	0.81
Hexachloroethane	ND	9.6	0.66
Nitrobenzene	ND	9.6	0.58
Isophorone	ND	9.6	0.65
2-Nitrophenol	ND	19	3.0
2,4-Dimethylphenol	ND	9.6	0.66
Benzoic acid	ND	48	14
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.70
1,2,4-Trichlorobenzene	ND	9.6	0.58
Naphthalene	ND	9.6	0.56
4-Chloroaniline	ND	9.6	0.62
Hexachlorobutadiene	ND	9.6	0.52
4-Chloro-3-methylphenol	ND	9.6	0.79
2-Methylnaphthalene	ND	9.6	0.51
Hexachlorocyclopentadiene	ND	19	0.18
2,4,6-Trichlorophenol	ND	9.6	1.1
2,4,5-Trichlorophenol	ND	9.6	1.1
2-Chloronaphthalene	ND	9.6	0.53
2-Nitroaniline	ND	19	2.5
Dimethylphthalate	ND	9.6	0.63
Acenaphthylene	ND	9.6	0.56
2,6-Dinitrotoluene	ND	9.6	0.65
3-Nitroaniline	ND	19	0.81
Acenaphthene	ND	9.6	0.47
2,4-Dinitrophenol	ND	19	2.2
4-Nitrophenol	ND	19	1.1
Dibenzofuran	ND	9.6	0.54
2,4-Dinitrotoluene	ND	9.6	0.63
Diethylphthalate	ND	9.6	0.65
Fluorene	ND	9.6	0.55
4-Chlorophenyl-phenylether	ND	9.6	0.51
4-Nitroaniline	ND	19	3.2
4,6-Dinitro-2-methylphenol	ND	19	2.4
N-Nitrosodiphenylamine	ND	9.6	1.8
Azobenzene	ND	9.6	0.63
4-Bromophenyl-phenylether	ND	9.6	0.53
Hexachlorobenzene	ND	9.6	0.65
Pentachlorophenol	ND	19	1.6
Phenanthrene	ND	9.6	0.68
Anthracene	ND	9.6	0.60
Di-n-butylphthalate	ND	9.6	1.3

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-MW-6	Batch#:	220724
Lab ID:	264827-005	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.74
Pyrene	ND	9.6	0.71
Butylbenzylphthalate	ND	9.6	0.79
3,3'-Dichlorobenzidine	ND	19	2.4
Benzo(a)anthracene	ND	9.6	0.72
Chrysene	ND	9.6	0.68
bis(2-Ethylhexyl)phthalate	ND	9.6	1.6
Di-n-octylphthalate	ND	9.6	0.60
Benzo(b)fluoranthene	ND	9.6	0.68
Benzo(k)fluoranthene	ND	9.6	0.63
Benzo(a)pyrene	ND	9.6	0.55
Indeno(1,2,3-cd)pyrene	ND	9.6	0.74
Dibenz(a,h)anthracene	ND	9.6	0.76
Benzo(g,h,i)perylene	ND	9.6	0.84

Surrogate	%REC	Limits
2-Fluorophenol	62	38-120
Phenol-d5	68	38-120
2,4,6-Tribromophenol	77	46-120
Nitrobenzene-d5	72	51-120
2-Fluorobiphenyl	80	54-120
Terphenyl-d14	62	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-RB	Batch#:	220724
Lab ID:	264827-007	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.73
Phenol	ND	9.6	0.94
bis(2-Chloroethyl)ether	ND	9.6	1.7
2-Chlorophenol	ND	9.6	0.97
1,3-Dichlorobenzene	ND	9.6	0.64
1,4-Dichlorobenzene	ND	9.6	0.62
Benzyl alcohol	ND	9.6	0.57
1,2-Dichlorobenzene	ND	9.6	0.66
2-Methylphenol	ND	9.6	0.61
bis(2-Chloroisopropyl) ether	ND	9.6	0.78
4-Methylphenol	ND	9.6	0.58
N-Nitroso-di-n-propylamine	ND	9.6	0.81
Hexachloroethane	ND	9.6	0.66
Nitrobenzene	ND	9.6	0.58
Isophorone	ND	9.6	0.65
2-Nitrophenol	ND	19	3.0
2,4-Dimethylphenol	ND	9.6	0.66
Benzoic acid	ND	48	14
bis(2-Chloroethoxy)methane	ND	9.6	0.54
2,4-Dichlorophenol	ND	9.6	0.70
1,2,4-Trichlorobenzene	ND	9.6	0.58
Naphthalene	ND	9.6	0.56
4-Chloroaniline	ND	9.6	0.62
Hexachlorobutadiene	ND	9.6	0.52
4-Chloro-3-methylphenol	ND	9.6	0.79
2-Methylnaphthalene	ND	9.6	0.51
Hexachlorocyclopentadiene	ND	19	0.18
2,4,6-Trichlorophenol	ND	9.6	1.1
2,4,5-Trichlorophenol	ND	9.6	1.1
2-Chloronaphthalene	ND	9.6	0.53
2-Nitroaniline	ND	19	2.5
Dimethylphthalate	ND	9.6	0.63
Acenaphthylene	ND	9.6	0.56
2,6-Dinitrotoluene	ND	9.6	0.65
3-Nitroaniline	ND	19	0.81
Acenaphthene	ND	9.6	0.47
2,4-Dinitrophenol	ND	19	2.2
4-Nitrophenol	ND	19	1.1
Dibenzofuran	ND	9.6	0.54
2,4-Dinitrotoluene	ND	9.6	0.63
Diethylphthalate	ND	9.6	0.65
Fluorene	ND	9.6	0.55
4-Chlorophenyl-phenylether	ND	9.6	0.51
4-Nitroaniline	ND	19	3.2
4,6-Dinitro-2-methylphenol	ND	19	2.4
N-Nitrosodiphenylamine	ND	9.6	1.8
Azobenzene	ND	9.6	0.63
4-Bromophenyl-phenylether	ND	9.6	0.53
Hexachlorobenzene	ND	9.6	0.65
Pentachlorophenol	ND	19	1.6
Phenanthrene	ND	9.6	0.68
Anthracene	ND	9.6	0.60
Di-n-butylphthalate	ND	9.6	1.3

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-RB	Batch#:	220724
Lab ID:	264827-007	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	9.6	0.74
Pyrene	ND	9.6	0.71
Butylbenzylphthalate	ND	9.6	0.79
3,3'-Dichlorobenzidine	ND	19	2.4
Benzo(a)anthracene	ND	9.6	0.72
Chrysene	ND	9.6	0.68
bis(2-Ethylhexyl)phthalate	ND	9.6	1.6
Di-n-octylphthalate	ND	9.6	0.60
Benzo(b)fluoranthene	ND	9.6	0.68
Benzo(k)fluoranthene	ND	9.6	0.63
Benzo(a)pyrene	ND	9.6	0.55
Indeno(1,2,3-cd)pyrene	ND	9.6	0.74
Dibenz(a,h)anthracene	ND	9.6	0.76
Benzo(g,h,i)perylene	ND	9.6	0.84

Surrogate	%REC	Limits
2-Fluorophenol	64	38-120
Phenol-d5	70	38-120
2,4,6-Tribromophenol	74	46-120
Nitrobenzene-d5	71	51-120
2-Fluorobiphenyl	80	54-120
Terphenyl-d14	71	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-DUP	Batch#:	220724
Lab ID:	264827-008	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.76
Phenol	ND	10	0.98
bis(2-Chloroethyl)ether	ND	10	1.8
2-Chlorophenol	ND	10	1.0
1,3-Dichlorobenzene	ND	10	0.67
1,4-Dichlorobenzene	ND	10	0.65
Benzyl alcohol	ND	10	0.59
1,2-Dichlorobenzene	ND	10	0.69
2-Methylphenol	ND	10	0.63
bis(2-Chloroisopropyl) ether	ND	10	0.81
4-Methylphenol	ND	10	0.60
N-Nitroso-di-n-propylamine	ND	10	0.84
Hexachloroethane	ND	10	0.69
Nitrobenzene	ND	10	0.60
Isophorone	ND	10	0.67
2-Nitrophenol	ND	20	3.1
2,4-Dimethylphenol	ND	10	0.69
Benzoic acid	ND	50	15
bis(2-Chloroethoxy)methane	ND	10	0.56
2,4-Dichlorophenol	ND	10	0.73
1,2,4-Trichlorobenzene	ND	10	0.61
Naphthalene	ND	10	0.58
4-Chloroaniline	ND	10	0.65
Hexachlorobutadiene	ND	10	0.54
4-Chloro-3-methylphenol	ND	10	0.82
2-Methylnaphthalene	ND	10	0.53
Hexachlorocyclopentadiene	ND	20	0.18
2,4,6-Trichlorophenol	ND	10	1.1
2,4,5-Trichlorophenol	ND	10	1.1
2-Chloronaphthalene	ND	10	0.55
2-Nitroaniline	ND	20	2.6
Dimethylphthalate	ND	10	0.66
Acenaphthylene	ND	10	0.58
2,6-Dinitrotoluene	ND	10	0.67
3-Nitroaniline	ND	20	0.84
Acenaphthene	ND	10	0.49
2,4-Dinitrophenol	ND	20	2.3
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	10	0.57
2,4-Dinitrotoluene	ND	10	0.65
Diethylphthalate	ND	10	0.68
Fluorene	ND	10	0.57
4-Chlorophenyl-phenylether	ND	10	0.53
4-Nitroaniline	ND	20	3.3
4,6-Dinitro-2-methylphenol	ND	20	2.5
N-Nitrosodiphenylamine	ND	10	1.9
Azobenzene	ND	10	0.65
4-Bromophenyl-phenylether	ND	10	0.56
Hexachlorobenzene	ND	10	0.68
Pentachlorophenol	ND	20	1.7
Phenanthrene	ND	10	0.71
Anthracene	ND	10	0.62
Di-n-butylphthalate	ND	10	1.4

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Field ID:	KMA-02 15-DUP	Batch#:	220724
Lab ID:	264827-008	Sampled:	02/20/15
Matrix:	Water	Received:	02/20/15
Units:	ug/L	Prepared:	02/23/15
Diln Fac:	1.000	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	10	0.77
Pyrene	ND	10	0.74
Butylbenzylphthalate	ND	10	0.82
3,3'-Dichlorobenzidine	ND	20	2.5
Benzo(a)anthracene	ND	10	0.75
Chrysene	ND	10	0.70
bis(2-Ethylhexyl)phthalate	ND	10	1.6
Di-n-octylphthalate	ND	10	0.63
Benzo(b)fluoranthene	ND	10	0.71
Benzo(k)fluoranthene	ND	10	0.66
Benzo(a)pyrene	ND	10	0.57
Indeno(1,2,3-cd)pyrene	ND	10	0.77
Dibenz(a,h)anthracene	ND	10	0.79
Benzo(g,h,i)perylene	ND	10	0.87

Surrogate	%REC	Limits
2-Fluorophenol	69	38-120
Phenol-d5	74	38-120
2,4,6-Tribromophenol	81	46-120
Nitrobenzene-d5	76	51-120
2-Fluorobiphenyl	84	54-120
Terphenyl-d14	73	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC778382	Batch#:	220724
Matrix:	Water	Prepared:	02/23/15
Units:	ug/L	Analyzed:	02/24/15

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	2.3
Phenol	ND	10	1.7
bis(2-Chloroethyl)ether	ND	10	1.6
2-Chlorophenol	ND	10	1.6
1,3-Dichlorobenzene	ND	10	1.6
1,4-Dichlorobenzene	ND	10	1.6
Benzyl alcohol	ND	10	1.5
1,2-Dichlorobenzene	ND	10	1.7
2-Methylphenol	ND	10	1.5
bis(2-Chloroisopropyl) ether	ND	10	2.7
4-Methylphenol	ND	10	1.5
N-Nitroso-di-n-propylamine	ND	10	2.0
Hexachloroethane	ND	10	1.7
Nitrobenzene	ND	10	1.6
Isophorone	ND	10	1.9
2-Nitrophenol	ND	20	2.6
2,4-Dimethylphenol	ND	10	1.3
Benzoic acid	ND	50	10
bis(2-Chloroethoxy)methane	ND	10	1.2
2,4-Dichlorophenol	ND	10	1.3
1,2,4-Trichlorobenzene	ND	10	1.4
Naphthalene	ND	10	1.4
4-Chloroaniline	ND	10	1.3
Hexachlorobutadiene	ND	10	1.3
4-Chloro-3-methylphenol	ND	10	1.4
2-Methylnaphthalene	ND	10	1.5
Hexachlorocyclopentadiene	ND	20	1.7
2,4,6-Trichlorophenol	ND	10	0.98
2,4,5-Trichlorophenol	ND	10	0.94
2-Chloronaphthalene	ND	10	1.5
2-Nitroaniline	ND	20	1.8
Dimethylphthalate	ND	10	1.5
Acenaphthylene	ND	10	1.5
2,6-Dinitrotoluene	ND	10	1.4
3-Nitroaniline	ND	20	1.0
Acenaphthene	ND	10	1.4
2,4-Dinitrophenol	ND	20	2.1
4-Nitrophenol	ND	20	1.2
Dibenzofuran	ND	10	1.5
2,4-Dinitrotoluene	ND	10	1.5
Diethylphthalate	ND	10	1.6
Fluorene	ND	10	1.5
4-Chlorophenyl-phenylether	ND	10	1.4
4-Nitroaniline	ND	20	1.2
4,6-Dinitro-2-methylphenol	ND	20	1.7
N-Nitrosodiphenylamine	ND	10	1.2
Azobenzene	ND	10	1.6
4-Bromophenyl-phenylether	ND	10	1.2
Hexachlorobenzene	ND	10	1.2
Pentachlorophenol	ND	20	1.3
Phenanthrene	ND	10	1.3
Anthracene	ND	10	1.3
Di-n-butylphthalate	ND	10	1.2

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC778382	Batch#:	220724
Matrix:	Water	Prepared:	02/23/15
Units:	ug/L	Analyzed:	02/24/15

Analyte	Result	RL	MDL
Fluoranthene	ND	10	1.6
Pyrene	ND	10	1.3
Butylbenzylphthalate	ND	10	1.4
3,3'-Dichlorobenzidine	ND	20	0.63
Benzo(a)anthracene	ND	10	1.3
Chrysene	ND	10	1.4
bis(2-Ethylhexyl)phthalate	ND	10	1.7
Di-n-octylphthalate	ND	10	1.3
Benzo(b)fluoranthene	ND	10	1.4
Benzo(k)fluoranthene	ND	10	1.5
Benzo(a)pyrene	ND	10	1.1
Indeno(1,2,3-cd)pyrene	ND	10	1.4
Dibenz(a,h)anthracene	ND	10	1.4
Benzo(g,h,i)perylene	ND	10	1.5

Surrogate	%REC	Limits
2-Fluorophenol	71	38-120
Phenol-d5	69	38-120
2,4,6-Tribromophenol	93	46-120
Nitrobenzene-d5	66	51-120
2-Fluorobiphenyl	67	54-120
Terphenyl-d14	70	21-120

ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS

Lab #:	264827	Location:	Kelly Moore Albany
Client:	Weiss Associates	Prep:	EPA 3520C
Project#:	459-2045.01	Analysis:	EPA 8270C
Matrix:	Water	Prepared:	02/23/15
Units:	ug/L	Analyzed:	02/24/15
Batch#:	220724		

Type: BS Lab ID: QC778383

Analyte	Spiked	Result	%REC	Limits	Dil'n Fac
Phenol	80.00	52.18	65	46-120	1.000
2-Chlorophenol	80.00	56.99	71	48-120	1.000
1,4-Dichlorobenzene	80.00	49.60	62	52-120	1.000
N-Nitroso-di-n-propylamine	80.00	47.06	59	46-120	2.000
1,2,4-Trichlorobenzene	80.00	52.22	65	53-120	1.000
4-Chloro-3-methylphenol	80.00	59.60	75	40-120	1.000
Acenaphthene	30.00	21.49	72	61-120	1.000
4-Nitrophenol	80.00	67.18	84	40-120	1.000
2,4-Dinitrotoluene	80.00	61.92	77	64-120	1.000
Pentachlorophenol	80.00	63.80	80	47-120	1.000
Pyrene	30.00	22.15	74	62-120	1.000

Surrogate	%REC	Limits	Dil'n Fac
2-Fluorophenol	64	38-120	1.000
Phenol-d5	67	38-120	1.000
2,4,6-Tribromophenol	91	46-120	1.000
Nitrobenzene-d5	60	51-120	1.000
2-Fluorobiphenyl	63	54-120	1.000
Terphenyl-d14	69	21-120	1.000

Type: BSD Lab ID: QC778384

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Dil'n Fac
Phenol	80.00	61.66	77	46-120	17	55	1.000
2-Chlorophenol	80.00	65.84	82	48-120	14	54	1.000
1,4-Dichlorobenzene	80.00	56.83	71	52-120	14	30	1.000
N-Nitroso-di-n-propylamine	80.00	57.03	71	46-120	19	25	2.000
1,2,4-Trichlorobenzene	80.00	59.86	75	53-120	14	26	1.000
4-Chloro-3-methylphenol	80.00	69.05	86	40-120	15	54	1.000
Acenaphthene	30.00	23.49	78	61-120	9	25	1.000
4-Nitrophenol	80.00	74.59	93	40-120	10	45	1.000
2,4-Dinitrotoluene	80.00	69.54	87	64-120	12	32	1.000
Pentachlorophenol	80.00	73.65	92	47-120	14	48	1.000
Pyrene	30.00	23.34	78	62-120	5	26	1.000

Surrogate	%REC	Limits	Dil'n Fac
2-Fluorophenol	73	38-120	1.000
Phenol-d5	77	38-120	1.000
2,4,6-Tribromophenol	99	46-120	1.000
Nitrobenzene-d5	70	51-120	1.000
2-Fluorobiphenyl	71	54-120	1.000
Terphenyl-d14	78	21-120	1.000

RPD= Relative Percent Difference