August 12, 2013

Ms. Dilan Roe Hazardous Materials Specialist Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94501-6577

Subject: Second Quarter 2013 Groundwater Monitoring Report Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California Fuel Leak Case No. RO0003014

Dear Ms. Roe:

Enclosed please find the *Second Quarter 2013 Groundwater Monitoring Report* for the Crown Chevrolet Cadillac Isuzu site at 7544 Dublin Boulevard and 6707 Golden Gate Drive, in Dublin, California (Fuel Leak Case No. RO0003014, GeoTracker Global ID T10000001616). This document was prepared by AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of Crown Chevrolet Cadillac Isuzu.

I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Please contact me at (925) 984-1426 or Avery Patton of AMEC at 510-663-4154 if you have any questions regarding this Work Plan.

Sincerely yours,

erri Costillo

Terri Costello Betty J. Woolverton Trust

Attachment: Second Quarter 2013 Groundwater Monitoring Report

cc: Tondria Hendrix, Zurich North American Insurance Thomas L. Vormbrock, Rimkus Consulting Group, Inc. Susan Gallardo, AMEC Environment & Infrastructure, Inc.



SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

Prepared for:

Crown Chevrolet Dublin, California

Prepared by:

AMEC Environment & Infrastructure, Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

August 2013

Project No. OD10160070



SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

August 12, 2013 Project OD10160070

This report was prepared by the staff of AMEC Environment & Infrastructure, Inc., under the supervision of the Geologist whose seal and signature appear hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.

ONAL GEOLO AVERY PRO PATTON No. 8541 very Patton, PG #8541 Senior Geologist OF CALL



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SECOND QUARTER 2013 GROUNDWATER MONITORING REPORT Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

AMEC Environment & Infrastructure, Inc. (AMEC), has prepared this *Second Quarter 2013 Groundwater Monitoring Report* (monitoring report) on behalf of the Betty J. Woolverton Trust and Crown Chevrolet Cadillac Isuzu (collectively, Crown) for the properties located at 7544 Dublin Boulevard and 6707 Golden Gate Drive in Dublin, California (the site; Figure 1). The groundwater monitoring was performed at the request of Alameda County Environmental Health (ACEH).

On May 29, 2013, AMEC performed the quarterly groundwater elevation gauging and groundwater sampling for the monitoring wells installed at the site. This report presents the results of the quarterly groundwater monitoring event.

1.0 BACKGROUND

A brief discussion of site background is presented below. A more complete discussion of background, including a site conceptual model, is presented in the *Revised Draft Feasibility Study and Corrective Action Plan* (FS/CAP; AMEC, 2013b).

The site was developed in 1968 as Crown Chevrolet, a car dealership with auto body shops, on land that was likely previously used for agriculture. At that time, the three main site buildings (Buildings A, B, and C) were constructed. Building A was later expanded. Building D was reportedly constructed in 1994. Operations as a car dealership and auto body shop continued from 1968 through mid-2013; the site is now inactive. For the purposes of this report, the site consists of an approximately 4.97-acre parcel; a separate parcel, 1.36-acre parcel is also present to the south and is currently part of the same ACEH case, although no groundwater impacts have been identified in that parcel.

Multiple investigations have been conducted at the site; these investigations have been performed to address regulatory concerns as well as in support of transactional and potential redevelopment activities. Based on the previous investigations, two areas of groundwater impacts were identified:

- Volatile organic compounds (VOCs), primarily tetrachloroethene (PCE) and trichloroethene (TCE), are present in shallow groundwater throughout the northern portion of the site (Figure 2). The PCE and TCE are attributed to an off-site source of PCE; the specific source has not been identified.
- Chlorobenzenes and related compounds (e.g., 1,2-dichlorobenzene and 1,4-dichlorobenzene) are present in groundwater, and soil vapor at a former sump



within Building B (Figure 2). Remediation was performed in October 2011 at the former sump and included removal of soil and VOC-affected water; however, some impacted soil remains beneath building walls (AMEC, 2011).

A summary of results from the previous investigations is included in AMEC's *Soil, Groundwater, and Soil Vapor Investigation Report* (AMEC, 2012b). At this time, site redevelopment is tentatively planned, and the FS/CAP includes additional detail regarding plans to mitigate the impacts discussed above (AMEC, 2013b).

In September 2012, seven monitoring wells (with 15 well ports) were installed at the site. An initial round of sampling was conducted at that time, and the well installation activities and results were reported in AMEC's *Soil, Groundwater, and Soil Vapor Investigation Report* (AMEC, 2012b). The first quarterly groundwater monitoring event was conducted in January 2013, and was summarized in the *First Quarterly Groundwater Monitoring Report*, dated March 25, 2013 (AMEC, 2013a). On May 29, 2013, the second quarterly groundwater monitoring event will be conducted on a quarterly basis throughout 2013. The third monitoring event occurred in July 2013 and will be documented in an upcoming *Third Quarter 2013 Groundwater Monitoring Report*.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following sections describe the work performed in association with the groundwater monitoring activities at the site. The sampling methodologies and analytical suite are consistent with the methods presented in the *Soil, Groundwater and Soil Vapor Investigation Work Plan* (AMEC, 2012a).

On May 29, 2013, groundwater samples were collected from 14 of the 15 wells and well ports at the site. The monitoring well network at the site consists of three shallow monitoring wells screened in the first water-bearing zone; and four continuous multichannel tubing (CMT) wells, each with three ports (in the first water-bearing zone and in two deeper zones). Construction details for the monitoring wells and the CMT wells are presented on Table 1.

2.1 GROUNDWATER ELEVATION GAUGING

Prior to collecting depth-to-groundwater measurements, the well cap was first removed from each well and the water levels were allowed to equilibrate. Equilibration was considered complete when two depth-to-groundwater measurements collected within several minutes were equivalent. Depth-to-groundwater measurements were measured to an accuracy of 0.01 foot with an electric sounder. The depth to groundwater at each well was recorded on well sampling field record (copies are included in Appendix A).

2.2 MONITORING WELL SAMPLING

Following gauging and prior to sample collection, each well was purged using a low-flow technique at flow rates ranging from of 30 to 250 milliliters per minute (mL/min). During



purging, the following field measurements were recorded and documented on field records: dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance. Copies of the well sampling field records are included in Appendix A. Purging was considered complete when these parameters had stabilized (i.e., when three consecutive readings of the water quality parameters were within approximately 10 percent of each other, if possible). However, sampling was difficult due to low recharge for several ports at monitoring wells MP-01 through MP-04. These ports were purged dry and then sampled; field parameters did not stabilize. A sample was not collected at port MP-03-2 because the well de-watered during purging, and did not recharge enough to collect a sample by the morning of May 30, 2013.

Following purging, groundwater samples were collected from each well into laboratoryprovided volatile organic analysis (VOA) containers preserved with hydrochloric acid, using a peristaltic pump. Each sample was immediately labeled with a unique identifier and the sample collection time, and then stored in an ice-chilled cooler pending transport to the analytical laboratory under AMEC chain-of-custody procedures. Purge water generated during sampling activities was stored in two 5-gallon buckets (closed with DOT-approved lids). The buckets are labeled and stored on-site pending off-site disposal.

One blind field duplicate groundwater sample was collected from monitoring well MW-2. The duplicate sample was collected and stored in the same manner as the primary samples and submitted to the laboratory for analysis of the same suite of constituents. A discussion of data quality is included below, in Section 2.4.

2.3 LABORATORY ANALYTICAL METHODS

The groundwater samples were delivered to TestAmerica Laboratories, Inc. (TestAmerica), of Pleasanton, California, a California Department of Public Health-accredited laboratory (Certificate No. 2496). The groundwater samples were analyzed for VOCs (including total petroleum hydrocarbons quantified as gasoline [TPHg]) using U.S. EPA Method 8260B. Copies of the laboratory analytical reports are included in Appendix B.

2.4 DATA QUALITY REVIEW

AMEC evaluated the analytical data generated during this groundwater monitoring event using guidelines set forth in the U.S. Environmental Protection Agency's (EPA's) *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (U.S. EPA, 2013). The complete data quality review, which was reviewed and acknowledged by an AMEC quality assurance/quality control (QA/QC) senior technical reviewer, is included in Appendix C, and is summarized below.

Quality assurance procedures for groundwater samples collected during the quarterly groundwater monitoring event included the collection and analysis of one blind field duplicate



sample and one MS/MSD sample; laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs; and evaluation of the analytical results.

Data accuracy was assessed by the analysis of laboratory control spike/laboratory control spike duplicate (LCS/LCSD) samples, matrix spike/matrix spike duplicate (MS/MSD) samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated relative percent difference (RPD) between the data sets. Results for LCS/LCSD, MS/MSD, and field duplicate sample pairs (as available) were evaluated to assess the precision of the analytical methods for the water sample data.

All detectable concentrations of TPHg from the groundwater monitoring samples were identified by the laboratory to be caused by discrete peaks (caused by PCE and TCE). AMEC qualified these gasoline range organics results with "R" to indicate that they are rejected. No other data quality deficiencies were identified during the data quality review. With the exception of the rejected data, all laboratory results are valid and usable.

3.0 RESULTS

The following section presents the results of the May 2013 groundwater monitoring activities.

3.1 GROUNDWATER ELEVATIONS, FLOW DIRECTIONS, AND GRADIENTS

Depths to groundwater in the site monitoring wells (MW-01 through MW-03, and MP-01 through MP-04) were measured on May 29, 2013. Depths to groundwater and calculated groundwater surface elevations are shown in Table 2.

AMEC has identified and collected groundwater samples from three water bearing zones at the site. Based on observed lithology and water level elevations, the first and third waterbearing zones appear to represent generally well-connected water-bearing zones. Lithologic observations and water level elevations in second water-bearing zone indicate that it may not have the same degree of connectivity.

In the first water-bearing zone at the site, groundwater moves in an approximately easterly direction and the magnitude of the lateral hydraulic gradient is approximately 0.0025 foot per foot. In the third water-bearing zone at the site, groundwater moves in an approximately northeasterly direction and the magnitude of the lateral hydraulic gradient is approximately 0.0056 foot per foot. Note that the wells in the second and third water-bearing zones are located close to an east-west trending line, making it difficult to gauge the precise direction of groundwater movement. Lateral gradients were not evaluated for the second water-bearing zone, as the depth to water measured in the second deepest port of one well (MP-03-2) did



not appear to be representative of the potentiometric surface and not enough additional data were available to evaluate the direction of groundwater movement. Potentiometric surface maps for first and third water-bearing zones are presented on Figures 2 and 3, respectively.

Downward vertical hydraulic gradients were calculated for the intervals between the first and second water-bearing zones (i.e., from approximately 15 to 45 feet bgs) and between the second and third water-bearing zones (i.e., from approximately 45 to 60 feet bgs) in multi-port wells MP-01 through MP-04. For the approximately 15- to 45-foot interval, downward vertical gradients ranged from 0.016 to 0.048 foot per foot. For the approximately 45- to 60-foot interval, downward vertical gradients ranged from 0.095 to 0.13 foot per foot. Vertical gradients were not calculated for monitoring well MP-03, as the depth to water measured in the second deepest port (MP-03-2) did not appear to be representative of the potentiometric surface.

3.2 **GROUNDWATER ANALYTICAL RESULTS**

As discussed above, 14 groundwater samples were collected from three water-bearing zones at the site (from monitoring wells MW-01 through MW-03 and MP-01 through MP-04) and analyzed for VOCs including TPHg. The analytical results are summarized in Table 3, and PCE and TCE concentrations in the first water-bearing zone are presented on Figure 4.

For discussion purposes, groundwater analytical results from the May 2013 monitoring event were compared to drinking water environmental screening levels (ESLs), published by the California Regional Water Quality Control Board, San Francisco Bay Region (Regional Water Board; Regional Water Board, 2013). Drinking water ESLs are not a cleanup goal for the site; however, they provide a frame of reference for discussing analytical results.

A summary of the May 2013 monitoring results is presented in the following sections.

3.2.1 First Water-Bearing Zone

PCE and TCE were detected in groundwater samples collected from all monitoring wells screened within the first water-bearing zone. Additionally, cis-1,2-dichloroethene (cis-1,2-DCE) and/or trans-1,2-dichloroethene (trans-1,2-DCE) were detected in groundwater from four monitoring wells (cis-1,2-DCE at MP-03-1, MP-04-1, and MW-02; and both cis-1,2-DCE and trans-1,2-DCE at MP-02-1). 1,2-Dichlorobenzene was detected in groundwater from monitoring well MW-03, located near the former sump within Building B. No other VOCs were detected.

Some concentrations of PCE and TCE were greater than their respective ESLs for groundwater that is assumed to be a potential drinking water resource. PCE was detected in groundwater samples collected from each of the seven wells in the first water-bearing zone at concentrations greater than the ESL of 5 μ g/L (at a maximum concentration of 190 μ g/L in MP-01-1). TCE was detected in groundwater samples from four of the seven wells in the first



water-bearing zone at concentrations greater than the ESL of 5 μ g/L (at a maximum concentration of 43 μ g/L in MP-02-1).

3.2.2 Second Water-Bearing Zone

TCE was detected in the groundwater sample collected from MP-02-2 at a concentration less than the respective ESL. No other VOCs were detected.

3.2.3 Third Water-Bearing Zone

No VOCs were detected in the groundwater samples collected from the third water-bearing zone.

4.0 CONCLUSIONS

Measured depths to groundwater were an average of approximately 0.77 feet lower in May 2013 than in January 2013. The potentiometric surface elevations decreased by a comparable amount in each water-bearing zone.

The groundwater monitoring results for PCE and TCE in the first water-bearing zone are comparable to the results from the previous groundwater monitoring event, in January 2013 (Table 3). The maximum PCE concentration in May 2013 was greater than the previous maximum (190 μ g/L in May, compared with 170 μ g/L in January), while the maximum TCE concentration in May 2013 was less than the previous maximum (43 μ g/L in May, compared with 61 μ g/L in January). In general, based on a total of three groundwater monitoring events, PCE and TCE concentrations in groundwater appear to be relatively stable. However, not enough data are currently available to evaluate concentration trends for PCE and TCE in groundwater.

In May 2013, 1,2-dichlorobenzene was detected in monitoring well MW-03, downgradient of the former sump and in the first water-bearing zone, at a concentration less than the January 2013 concentration (0.86 μ g/L in May, compared with 1.7 μ g/L in January). Additionally, two other VOCs detected in MW-03 in January 2013 (chlorobenzene and cis-1,2-DCE) were not detected in May 2013. Monitoring well MW-3 was installed to evaluate groundwater concentration trends downgradient of the sump; however, not enough data are currently available to evaluate a concentration trend in groundwater.

TCE was detected in one groundwater sample from the second water-bearing zone (at monitoring port MP-02-2) in May 2013, but was not detected in the third water-bearing zone. TCE and cis-1,2-DCE were detected in groundwater samples from the second and third water bearing zones at this well in January 2013.



5.0 REFERENCES

- AMEC Environment & Infrastructure, Inc. (AMEC), 2011, Remediation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, Fuel Leak Case No. RO003014, December 21.
- AMEC, 2012a, Soil, Groundwater, and Soil Vapor Investigation Work Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, August 16.
- AMEC, 2012b, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, October 19.
- AMEC, 2013a, First Quarterly Groundwater Monitoring Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, March 25.
- AMEC, 2013b, Revised Draft Feasibility Study and Corrective Action Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, March 25.
- California Regional Water Quality Control Board, San Francisco Region (Regional Water Board), 2013, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, May.
- U.S. Environmental Protection Agency, 2013, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01, February.



WELL CONSTRUCTION DETAILS

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

						Survey Da	ta				C	Construction	Informatior	า ¹	
Well Type	Monitoring Well ID	Port	Date Installed	Ground Surface Elevation (feet)	Top Of Casing Surveyed Elevation (feet)	Northing	Easting	Datum	Depth Drilled (feet bgs)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Screen Slot Size (inches)	Filter Pack
Pre-pack	MW-01		8/30/2012	344.58	344.24	2081925.24	6148339.55	NAD 83/NGVD 88	22	16.2	20.9	21.17	0.75	0.010	#20/40 and 2/12 sand
groundwater	MW-02		8/30/2012	340.41	340.24	2082055.96	6148450.40	NAD 83/NGVD 88	20.2	15.2	19.9	19.92	0.75	0.010	#20/40 and 2/12 sand
well	MW-03		8/31/2012	343.95	343.77	2081890.72	6148566.71	NAD 83/NGVD 88	20	14.4	19.1	19.35	0.75	0.010	#20/40 and 2/12 sand
	MP-01	MP-01-1						NAD 83/NGVD 88		17.3	17.6		0.375	0.010	#2/12 sand
	MP-01	MP-01-2	8/29/2012	343.37	343.20	2081915.18	6148233.76	NAD 83/NGVD 88	60	43.2	43.5	59.3	0.375	0.010	#2/12 sand
	MP-01	MP-01-3						NAD 83/NGVD 88		58.1	58.4		0.375	0.010	#2/12 sand
	MP-02	MP-02-1						NAD 83/NGVD 88		12.6	12.9		0.375	0.010	#2/12 sand
CMT multi-	MP-02	MP-02-2	8/30/2012	341.32	341.15	2082008.13	6148472.05	NAD 83/NGVD 88	60	36.4	36.7	59.7	0.375	0.010	#2/12 sand
port	MP-02	MP-02-3						NAD 83/NGVD 88		57.5	57.8		0.375	0.010	#2/12 sand
groundwater	MP-03	MP-03-1						NAD 83/NGVD 88		14.3	14.6		0.375	0.010	#2/12 sand
well	MP-03	MP-03-2	8/30/2012	342.31	342.21	2081948.36	6148500.44	NAD 83/NGVD 88	60	42.9	43.2	59.8	0.375	0.010	#2/12 sand
	MP-03	MP-03-3						NAD 83/NGVD 88		57.8	58.1		0.375	0.010	#2/12 sand
	MP-04	MP-04-1						NAD 83/NGVD 88		15.4	15.7		0.375	0.010	#2/12 sand
	MP-04	MP-04-2	8/31/2012	341.48	341.22	2081993.43	6148600.32	NAD 83/NGVD 88	60.5	41.4	41.7	60.5	0.375	0.010	#2/12 sand
	MP-04	MP-04-3						NAD 83/NGVD 88		58.3	58.6		0.375	0.010	#2/12 sand

<u>Notes</u>

1. Pre-pack well casing materials are Schedule 40 PVC. The multi-port well casing materials are Solinst 3-channel CMT.

Abbreviations

-- = not applicable

bgs = below ground surface

CMT = continuous multi-channel tubing

NAD = North American Datum

NGVD = National Geodetic Vertical Datum





GROUNDWATER ELEVATIONS

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

		Top-of-Casing Elevation	Depth to Groundwater	Groundwater Elevation ¹
Sample Location	Date	(feet MSL)	(feet BTOC)	(feet MSL)
First Water-Bearin				
	9/10/2012		13.33	329.87
MP-01-1	1/29/2013	343.20	11.49	331.71
	5/29/2013		12.53	330.67
	9/10/2012		11.83	329.32
MP-02-1	1/29/2013	341.15	10.30	330.85
	5/29/2013		11.11	330.04
	9/10/2012		12.94	329.27
MP-03-1	1/29/2013	342.21	11.33	330.88
	5/29/2013		12.21	330.00
	9/10/2012	_	12.41	328.81
MP-04-1	1/29/2013	341.22	10.77	330.45
	5/29/2013		11.51	329.71
	9/10/2012		14.64	329.60
MW-01	1/29/2013	344.24	12.96	331.28
	5/29/2013		13.89	330.35
	9/10/2012		10.90	329.34
MW-02	1/29/2013	340.24	9.35	330.89
	5/29/2013		10.20	330.04
	9/10/2012		14.62	329.15
MW-03	1/29/2013	343.77	14.53	329.24
	5/29/2013		13.90	329.87
Second Water-Bea	aring Zone			
	9/10/2012		14.38	328.82
MP-01-2	1/29/2013	343.20	12.59	330.61
	5/29/2013		13.67	329.53
	9/10/2012		13.93	327.22
MP-02-2	1/29/2013	341.15	10.67	330.48
	5/29/2013		11.50	329.65
	9/10/2012		39.76	302.45
MP-03-2	1/29/2013	342.21	15.00	327.21
	5/29/2013		15.93	326.28
	9/10/2012		13.83	327.39
MP-04-2	1/29/2013	341.22	11.95	329.27
	5/29/2013		12.77	328.45
Third Water-Bearing				
	9/10/2012		15.63	327.57
MP-01-3	1/29/2013	343.20	14.19	329.01
	5/29/2013	1	15.08	328.12
	9/10/2012		14.88	326.27
MP-02-3	1/29/2013	341.15	13.38	327.77
	1/29/2013	1	14.24	326.91
	9/10/2012		15.66	326.55
MP-03-3	1/29/2013	342.21	14.28	327.93
	5/29/2013	1	15.12	327.09
	9/10/2012	<u> </u>	15.12	326.10
MP-04-3	1/29/2013	341.22	13.78	327.44
	5/29/2013		14.65	326.57

Notes 1. Elevation datum is NGVD88.

Abbreviations BTOC = below top of casing

feet MSL = feet above mean sea level NGVD = National Geodetic Vertical Datum



VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER FROM MONITORING WELLS

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

Concentrations reported in micrograms per liter (µg/L)

					Bromo-			Dibromo-	1,2-	cis-1,2-	trans-1,2-					
					dichloro-	Chloro-	Chloro-	chloro-	Dichloro-	Dichloro-	Dichloro-	2-Hex-				All Other
Location	Sample ID	Sample Type	Date	Acetone	methane	benzene	form	methane	benzene	ethene	ethene	anone	PCE	TCE	TPHg	VOCs
First Water-B	Bearing Zone															
	MP-01-1	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	120	<0.50	110 R	ND
MP-01	MP-01-1	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	160	0.80	150 R	ND
	MP-01-1	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	190	1.6	120 R	ND
	MP-02-1	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	1.1	<0.50	<50	1.2	15	<50	ND
MP-02	MP-02-10	Duplicate	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	1.3	<0.50	<50	1.6	19	<50	ND
1011 02	MP-02-1	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	4.4	0.80	<50	6.6	61	100 R	ND
	MP-02-1	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	8.2	0.88	<50	1.0	43	94 R	ND
	MP-03-1	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	120	6.4	140 R	ND
MP-03	MP-03-1	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	0.63	<0.50	<50	150	11	230 R	ND
	MP-03-1	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	0.55	<0.50	<50	170	13	140 R	ND
	MP-04-1	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	4.0	1.3	<50	ND
MP-04	MP-04-1	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	20	8.4	<50	ND
	MP-04-1	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	0.67	<0.50	<50	26	13	52 R	ND
	MW-01-(17-22)-GW ¹	Primary	8/30/2012	<50 UJ	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	150	1.1	150 R	ND
	MW-01	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	150	1.2	120 R	ND
MW-01	MW-10	Duplicate	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	160	1.3	140 R	ND
-	MW-01	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	160	1.1	160 R	ND
	MW-100	Duplicate	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	160	1.1	160 R	ND
	MW-01	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	170	1.1	100 R	ND
	MW-02-(15-20)-GW ¹	Primary	8/30/2012	<50 UJ	<0.50	<0.50	<1.0	<0.50	<0.50	0.6	<0.50	<50	18	9.2	<50	ND
	MW-02	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	16	6.9	<50	ND
MW-02	MW-02	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	1.6	0.54	<50	19	15	<50	ND
	MW-02	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	2.0	<0.50	<50	20	26	51 R	ND
	MW-200	Duplicate	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	2.0	<0.50	<50	15	23	<50	ND
	MW-03-(15-20)-GW ¹	Primary	8/31/2012	<50 UJ	<0.50	<0.50	<1.0	<0.50	1.1	<0.50	<0.50	<50	9.3	0.59	<50	ND
MW-03	MW-03	Primary	9/10/2012	<50	1.4	<0.50	2.1	0.92	<0.50	<0.50	<0.50	<50	3.2	<0.50	<50	ND
	MW-03	Primary	1/29/2013	<50	<0.50	4.8	<1.0	<0.50	1.7	0.65	<0.50	<50	11	1.1	<50	ND
	MW-03	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	0.86	<0.50	<0.50	<50	7.5	0.85	<50	ND
Second Wate	er-Bearing Zone															
	MP-01-2	Primary	9/10/2012	130	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
MP-01	MP-01-2	Primary	1/29/2013	62	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	120	<0.50	<0.50	<50	ND
	MP-01-2	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	MP-02-2	Primary	9/10/2012	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
MP-02	MP-02-2	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	0.52	<0.50	<50	<0.50	1.2	<50	ND
	MP-02-2	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	0.77	<50	ND
MP-03	MP-03-2	Primary	1/29/2013	68	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	58	<0.50	<0.50	<50	ND
	MP-04-2	Primary	9/10/2012	100	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
MP-04	MP-04-2	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	53	<0.50	<0.50	<50	ND
	MP-04-2	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND



VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER FROM MONITORING WELLS

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Sample Type	Date	Acetone	Bromo- dichloro- methane	Chloro- benzene	Chloro- form	Dibromo- chloro- methane	Dichloro-	Dichloro-	trans-1,2- Dichloro- ethene	2-Hex- anone	PCE	TCE	TPHg	All Other VOCs
Third Water-E	Bearing Zone	· · · · · · ·		•	•	•	•	•	•	•			•		•	<u> </u>
	MP-01-3	Primary	9/10/2012	<50	< 0.50	<0.50	<1.0	< 0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
MP-01	MP-01-3	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	59	<0.50	<0.50	<50	ND
	MP-01-3	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	MP-02-3	Primary	9/10/2012	130	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
MP-02	MP-02-3	Primary	1/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	0.54	<50	ND
	MP-02-3	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	MP-03-3	Primary	9/10/2012	<50	< 0.50	<0.50	<1.0	< 0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
MP-03	MP-03-3	Primary	1/29/2013	<50	< 0.50	<0.50	<1.0	< 0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	MP-03-3	Primary	5/29/2013	<50	< 0.50	<0.50	<1.0	< 0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	MP-04-3	Primary	9/10/2012	150	< 0.50	<0.50	<1.0	< 0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	86	ND
MP-04	MP-04-3	Primary	1/29/2013	<50	< 0.50	<0.50	<1.0	< 0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	MP-04-3	Primary	5/29/2013	<50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<50	<0.50	<0.50	<50	ND
	I Screening Level (gr ng water resource) ²	oundwater is a p	ootential or	1,500	100	25	70	100	10	6	10		5	5	100	

Notes:

1. Results are shown for grab groundwater samples collected from borings MW-01 through MW-03 before the pre-pack monitoring wells were installed.

 California Regional Water Quality Control Board, San Francisco Region, 2013, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water source), May. The selected screening value is the lowest of those among drinking water goals, aquatic habitat goals, taste and odor considerations, evaluation of potential vapor intrusion into buildings.

Results shown in **bold** indicate a detection.

Results shown in **bold** and in a shaded cell exceed their respective Environmental Screening Levels.

Abbreviations:

< = not detected at or above the laboratory reporting limit shown

-- = not applicable

J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample

PCE = tetrachloroethene

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

TCE = trichloroethene

U.S. EPA = U.S. Environmental Protection Agency

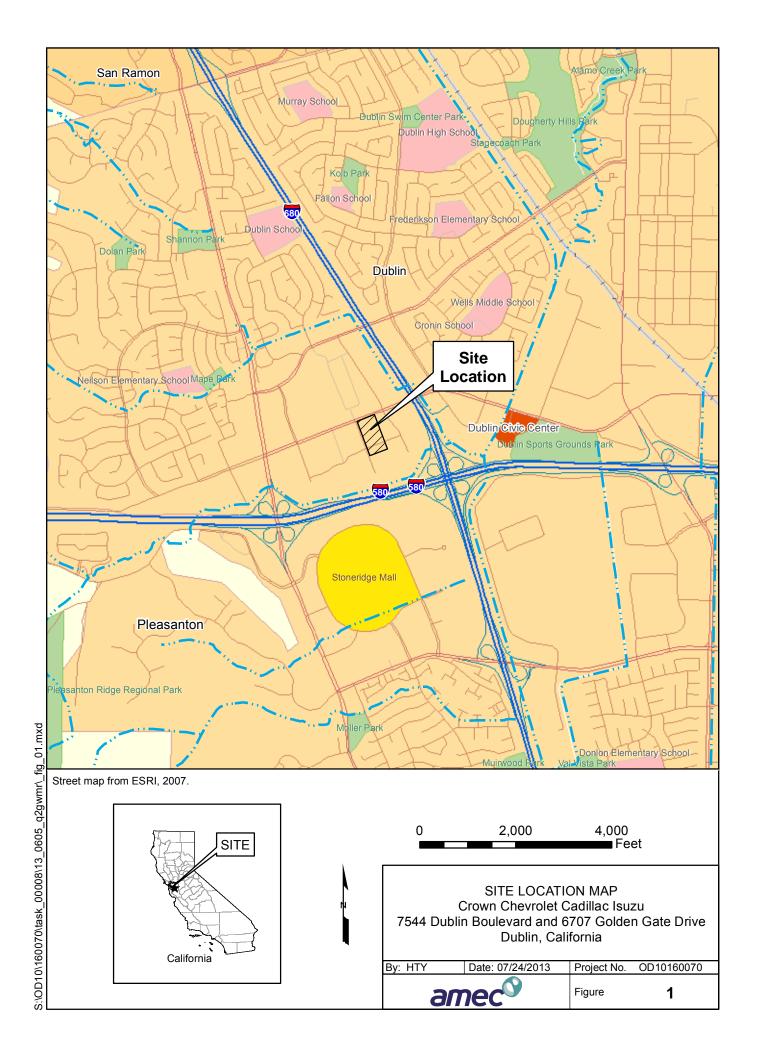
UJ = the analyte was not detected at a level greater than or equal to the quantitation limit shown; the quantitation limit is approximate and may be inaccurate or imprecise.

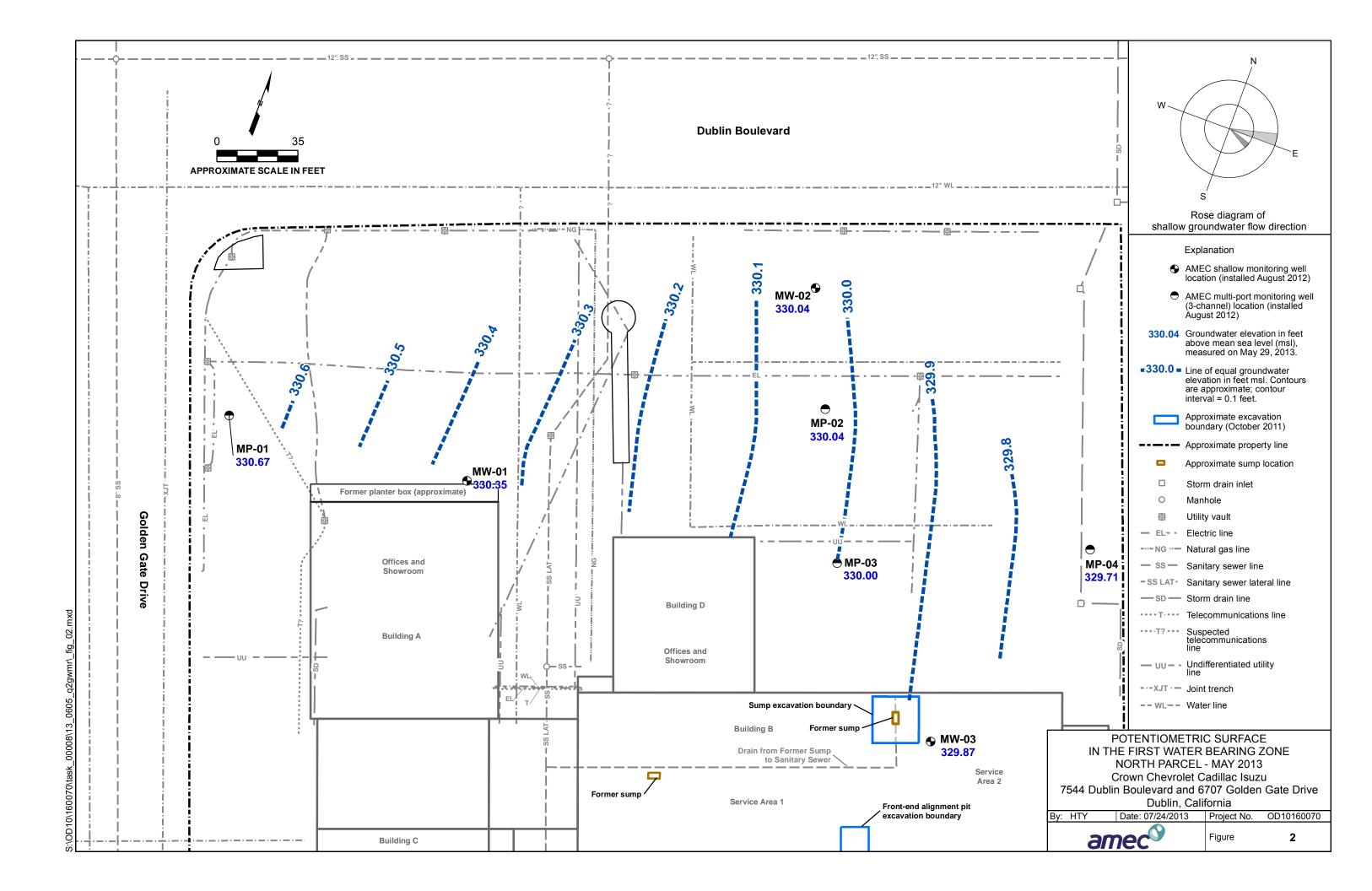
VOCs = volatile organic compounds

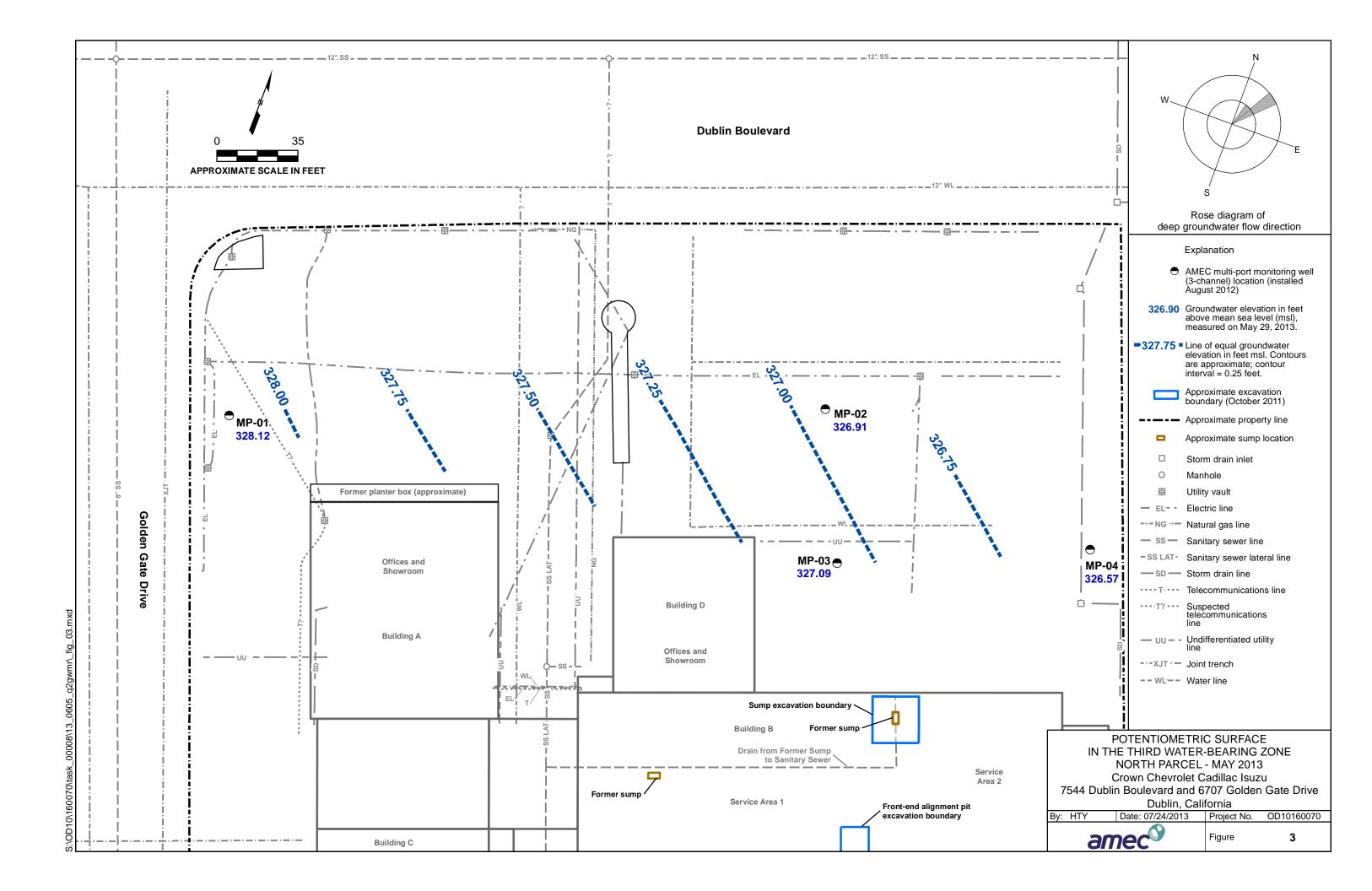
µg/L = micrograms per liter

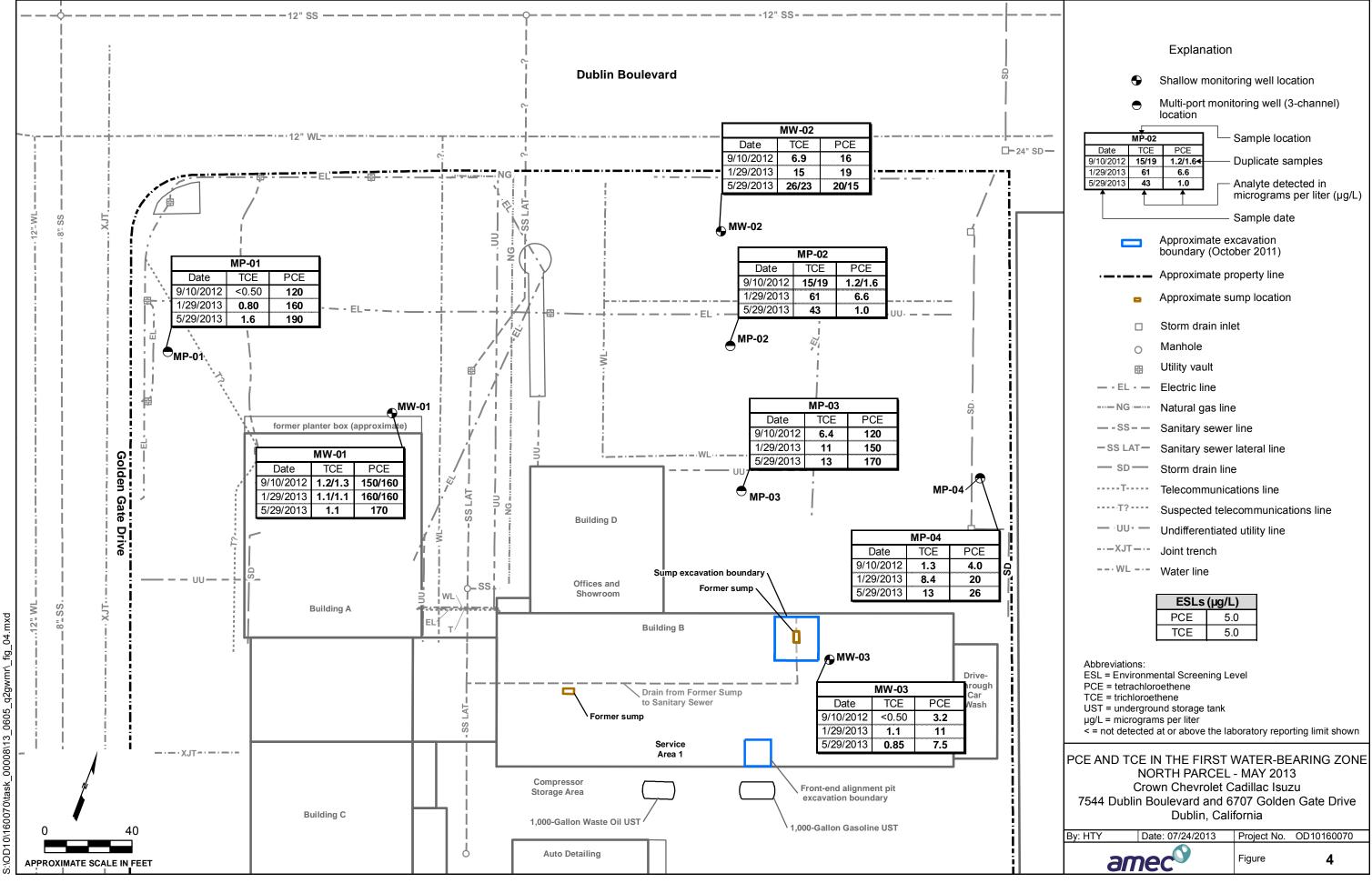


FIGURES









ē q2g 0605 00008\13_ OD10/160070/task



APPENDIX A

Well Sampling Field Records

T	10008	0D10160070.00008	Number:	oject and Task	F	n Chevrolet	ame: <u>Crowr</u>	Project Na
der)	58 (14" Cr 500	(s) Used: 50058	Instrument(Allbut	oy: <u>H.Young/</u> [Measured b	/29/13	Date: <u>5</u>
		sed.	ns may be us	ng abbreviatior	ience, the follow	your conven	Note: For	
	rface Probe	IP = Interface	ump	Dedicated P	D =		ssible	l = Inacce
			0	Water Level	WL	er	trical Sounde	ES = Elec
	narks	Remarks	PID Reading	DTW- Measurement- #2 (feet)	DTW Measurement #1 (feet)	TOC Elevation (feet)	Time	Well No.
			35 AVA	13:89 300	13.89	344.24	0135	MW-01
				330.04	10.20 (340.24	0744	MW-02
				329.87	13.90	343.77	0955	MW-03
				330.67	12.53	343.20	0738	MP-01-1
				329.53	13.67	343.20	0738	MP-01-2
				328.12	15.08	343.20	0739	MP-01-3
				330.04	11.11	341.15	0745	MP-02-1
				329.65	11.50	341.15	0746	MP-02-2
				326.91	14.24	341.15	0747	MP-02-3
	water lawat is	C. C. C. C. Make		330.00	12.21	342.21	0752	MP-03-1
P port 2	than the other m	Confirmed wate 15.93 (lower than		326.28	15.93	342.21	0753	MP-03-2
				327.09	15.12	342.21	0753	MP-03-3
			-	329.71	11.51	341.22	0749	MP-04-1
				328.45	12.77	341.22	0750	MP-04-2
			¥	326.57	14.05	341.22	0751	MP-04-3
× .								
1								

	am	e	0		Project Name Crown Chevrol							
	MONITOR	ING			Project/Task OD10160070.00		San	p.Alib.t		Date: 5-29-13		
Well Num	ber/ID:			Sampl	e ID:			Duplicate ID	:			
	-01-1			M	1-101-1							
Peristal	f Purging:	+		Metho	d of Sampling			Intake Depth ーノー				
dedicate	e inertial	1.14	the.	ng		<u>ا</u> uipment						
Equi	pment		Мо	odel	Serial #/Ren			ate /Serviced	Date	Calibrated		
Multi-Probe	9 .		YSI	-556	0200577		5.21	5.13	5.	29.13		
Turbidimet	er		N	/A	N/A		**********	/A		N/A		
				Cas	sing Purge Vol	ume Calcu	lations	The second s				
A. Depth to	Water = 12.1	3 ft.	D, V	Water Column (B	B-A) = 5.07	ft.	Depth to	Water After San	npling = 12.9	54 ft.		
	I Depth = 17			•	$z^2 \times 0.0408 \times D) =$					2800 gal/m		
******	heter = $\frac{0.375}{2}$	******			$3 \times E) = 0.0$			ble, see pumping s				
	Flow Cell Volu		Vp	=	ml			g System Vo				
Tubing Ins	ide Diameter		D		– in.	NIA	Pu	mping System	Volume (V _s)	1944-04444493.019719410394403947943951944493919444939319444939319444939		
Tubing Len	igth	*****	L	— •	- in.		VS=V	$\pm \pi * D^2 / 4 *$	* L * 16.39 m	nl/in ³		
Conversion	from Inches ³	to ml	1 in	$^{3} = 16.39$	ml	Vs =	= () + (3.1415 *	2/4)	* () * 16.39		
	Purging Data			Water Ou	ality Parameter							
Time (24 hr)	Purge Volume	Flow		Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	1	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,		
	🗆 gal 🗷 ml		l/min	Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	±10% or <10 NTU			
1207	Initial	10	Ö	19.50	1204	1.96	8.58	-145.4	N/A	slight grayti		
1210	800			19.91	1202	1.82	7.27	-65.2				
1215	1300			20.08	1210	1.89	7.00	-27.5				
1218	1600			20.01	1212	1.86	6.91	-15.7		ł		
1221	1900			19.80	1214	1.82	6.75	-0.5		clearing		
1224	2200			19.99	1212	1.90	6.6	6.7				
1227	2500			19.91	1210	1.81	6.54	12.9		-		
1230	2800		l	20.24	1211	1.74	6.58	1	Ţ			
Remarks:	1230	Se	imp	led. Ce	ollected	3-441	voa fi	or 8260	BITPH	9		
									********	~		
(1) Pacad a	n EPA low-flow	camplin		alinac			•		WEAKS			
·· paseu 0	~	~ 1	A 0	Lines.		Checked B						
Signature						I DECKED H						

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	an	nec	0		Project Name Crown Chevro						
	MONITOR SAMPLE COL	ING		and a second second second second	Project/Task OD10160070.0			npled By:). Allbot	- Da	te: ·29 · 13	
Well Num		LEUTIC		Sampl	e ID:			Duplicate ID		- ()	
	2-01-2				1P-01-2				N/A		
Method o	f Purging: altic pro J lift h	npt	ded	icated Metho	d of Sampling			Intake Dept			
inertia	J lift h	bing	<u> </u>		see pige		0	43.5			
			_		Field Eq	uipment		ato			
Equi	pment		Me	odel	Serial #/Ren	tal ID	_	Date eceived/Serviced		Calibrated	
Multi-Probe	2		YS	-556	02005	77	5	128.13	5	29.13	
Turbidimet	er		N	/A	N/A		N	/A		N/A	
				Ca	sing Purge Vol	lume Calcu	lations				
A. Depth to	Water = 13,0	67 ft.	D. \	Water Column (E	B-A) = 29.83	ft.	Depth to	Water After San	npling = <u>16</u> ;	27 ft.	
B. Well Tota	I Depth = 43 ,	5 _{ft.}	E. 1	L Well Volume (C	2 ² x 0.0408 x D) =	0.17 gal.	Actual V	olume Purged (fr	om below) =	500 gal/mb	
C. Well Dian	neter = 0.373	<u>in.</u>	F. 3	8 Well Volumes (3 x E) =0.5	gal.	(If applicable, see pumping system volume calculation below)				
Pump and	Flow Cell Volu	ime	Vp	= N	I/A ml		Pumpin	g System Vol	ume Calcul	ation	
Tubing Ins	ide Diameter		D	=	in.	N/A	Pu	Imping System	Volume (V _s)		
Tubing Len	igth		L	=	in.	10/11-	Va=V	$\pi + \pi * D^2 / 4 *$	^c L * 16.39 m	ll/in ³	
-	from Inches ³	to ml	1 in	$^{3} = 16.39$	ml	Vs :	= () + (3.1415 *	2/4)	* () * 16.39	
	Purging Data				ality Parameter		-				
Time (24 hr)	Purge Volume	Flow R	n	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	1	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,	
()	🗆 gal 🖳 ml	l⊊ ml/i	min	Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	. ± 0.2	± 20 mV	±10% or <10 NTU	- odor, etc)	
0820	Initial	10	0	19.36	1236	8.26	8.66	-58.9	N/A	gray; cloudy; silt	
0820	500			dewat					1		
1342	-				well. w	L=16,1	72				
1345	· · ·	~		22.97	1193	1.08		-55.4	J.	gravij cloudy	
Remarks:	1350	Sa	mo	led. Co	llected	3-1701	NOA	For 51	GOBT 7	PIto	
			1							1	
(1) Based or	EPA low-flow	sampling	guide	elines.							
Signature	: <u>^</u>	id.	se	Int		Checked B	sy:				

	- 1		1
Page		of	

	200		0		Project Name Crown Chevro							
	am	<i>iec</i>	-		Project/Task		Sar	npled By:	Da	te:		
_	IONITOR				OD10160070.0			D. Allbut		5.29.	17	
S. Well Num	AMPLE COLI	LECTIO	PN LC	Samp	le ID:			Duplicate ID:			12	
MP-C				-	0-01-3			-				
Method of	Duraina		1.5	Moth	od of Sampling	•		Intake Depth	;			
peristal inertial	tic pump lift tubi	ng ha	dica	red s	ame as pu	nge		58.4	1			
		1			Field Eq	uipment						
Equip	oment		Mo	odel	Serial #/Ren	tal ID	_	ate /Serviced	Date	e Calibr	ated	
Multi-Probe			YSI	-556	020057	7	5.28.13		5.29.13			
Turbidimete	er		N	/A	N/A		N	/A	N/A			
				Ca	sing Purge Vol	ume Calcu	lations					
A. Depth to \	Water = 15.	08 ft.	D. V	Vater Column (I	B-A) = 43.32	ft.	Depth to	Water After Sam	pling = <u>(9</u>	.27 ft.		
B. Well Total	Depth = 58	<u>.4</u> ft.	E. 1	Well Volume ($C^2 \times 0.0408 \times D) =$	0.25 gal.	Actual V	olume Purged (fro	om below) = _	2000	gal/ml.	
	eter = 0.375		1	-	(3 x E) =		(If applica	ble, see pumping s	/stem volume ca	alculation	below)	
Pump and F	low Cell Volu	me	Vp	= N/1	A ml		Pumpin	g System Vol	ume Calcul	ation		
Tubing Insi	de Diameter		D	=	in.	N/A	Ρι	mping System	Volume (V_S)			
Tubing Len	gth		L	= \	in.			$+\pi * D^2 / 4 *$				
Conversion	from Inches ³	to ml	1 in	$^{3} = 16.39$	ml	Vs =) + (3.1415 *			_) * 16.3	
	Purging Data			Water Ou	uality Parameter							
	Purge	Flow F	n	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	-	Oxidation Reduction Potential (mV)	Turbidity (NTU)	R (D	emarks TW, color, dor, etc)	
Time (24 hr)	Volume							± 20 mV	±10% or <10 NTU			
	-	⊊a mi/		Stabilization ⁽¹⁾	± 3%	± 0.2 mg/L	± 0.2	1				
	Volume						a-04	-166.2	W/A	gray	j cloude silt	
(24 hr)	Volume □ gal 冠 ml	ş⊠ mi/		Stabilization ⁽¹⁾ 20.6(*21.57	± 3%	0.64	9-04	-		gray	j cloudi silt	
(24 hr) 1239	Volume gal & ml Initial \$00	ş⊠ mi/		20.61	1137	0.64	9.04 8.61	-159.0		gnay some	1 cloude silt	
(24 hr) 12-39 1243	Volume gal & ml Initial 800 1100	ş⊠ mi/		20.61 21.57 22.72	1137 1133 1173	0.64 0.30 0.29	9.04 8.61 8.80	- 159.0 - 170.7		gray some	ij cloudu si 17	
(24 hr) 1238 1243 1246 1246	Volume gal & ml Initial \$00	ş⊠ mi/		20.61 21.57 22.72 22.82	1137 1133 1123 1111	0.64 0.30 0.29 0.12	9.04 8.61 8.80 8.76	- 159.0 - 170.7 - 174.2		grau some	1; cloude _silt	
(24 hr) 1238 1243 1246 1246 1249 1252	Volume □ gal R ml Initial 800 1100 1400 1400	ş⊠ mi/		20.61 21.57 22.72 22.82 23.14	1137 1133 1123 1111 1111 1103	0.64 0.30 0.29 0.12 0.08	9-04 8.61 8.80 8.76 8.76	-159-0 -170.7 -170.7 -174.2 -171.8		g nay some	1; cloudu <u>silt</u>	
(24 hr) 1238 1243 1246 1246 1249 1252 1255	Volume □ gal 12 ml Initial 800 1100 1400 1400 1400 1400 2000			20.61 21.57 22.72 22.82 23.14 23.33	1137 1133 1123 1111 1103 1096	0.64 0.30 0.29 0.12 0.08 0.16	9.04 8.61 8.80 8.70 8.69 8.57	-159-0 -170.7 -170.7 -174.2 -171.8		g var some	1; cloudu -silt	
(24 hr) 1238 1243 1246 1249 1252 1255 1255	Volume □ gal R ml Initial 800 1100 1400 1400 1400 2000 2000		en	20.61 21.57 22.72 22.82 23.14 23.33 deway	1137 1133 1123 1111 1103 1096 eved at	0.64 0.30 0.29 0.12 0.08 0.16 2000	9-04 8.61 8.80 8.76 8.76	-159-0 -170.7 -170.7 -174.2 -171.8		g ray some	1; cloudu _s:1+	
(24 hr) 1238 1243 1246 1249 1252 1255 1255 1255 1400	Volume □ gal R ml Initial 800 1100 1400 1400 1400 2000 2000		en	20.61 21.57 22.82 23.14 23.33 dewat	1137 1133 1123 1123 1111 1103 1096 ered at ened at	0.64 0.30 0.29 0.12 0.08 0.16 2000 18.98	9.04 8.61 8.80 8.76 8.69 8.57	-159.0 -170.7 -170.7 -174.2 -171.8 -166.0			1; cloude 	
(24 hr) 1238 1243 1246 1249 1252 1255 1255 1255 1255 1400 1405	Volume □ gal 12 ml Initial 800 1100 1400 1400 1400 2000 2000 	Reh	ell	20.61 21.57 22.82 23.14 23.33 dewat d to we 23.50	$ \begin{array}{c} 1137 \\ 1137 \\ 1133 \\ 1123 \\ 1111 \\ 1103 \\ 1096 \\ ered at \\ end at \\ 1112 \\ 1112 \end{array} $	0.64 0.30 0.29 0.12 0.08 6.16 2000 18.98 0.20	9.04 8.61 8.80 8.76 8.69 8.57 M	-159.0 -170.7 -170.7 -171.2 -171.8 -166.0 -167.2	W/A	grav		
(24 hr) 12-39 12-43 12-43 12-46 12-49 12-52 12-55 12-55 12-55 12-55 12-55 12-00 14-05 Remarks:	Volume □ gal 12 ml Initial 800 1100 1400 1400 2000 2000 	Reh Sou	ell mpl	20.61 21.57 22.57 22.82 23.14 23.33 dewat d to we 23.50 ed. Co	1137 1133 1123 1123 1111 1103 1096 ered at ened at	0.64 0.30 0.29 0.12 0.08 6.16 2000 18.98 0.20	9.04 8.61 8.80 8.76 8.69 8.57 M	-159.0 -170.7 -170.7 -171.2 -171.8 -166.0 -167.2	W/A	grav		
(24 hr) 12-39 12-43 12-43 12-46 12-49 12-52 12-55 12-55 12-55 12-55 12-55 12-00 14-05 Remarks:	Volume □ gal 12 ml Initial 800 1100 1400 1400 1400 2000 2000 	Reh Sau	ell mpl	20.61 21.57 22.82 23.14 23.33 dewat d to we 23.50 ed. Co	$ \begin{array}{c} 1137 \\ 1137 \\ 1133 \\ 1123 \\ 1111 \\ 1103 \\ 1096 \\ ered at \\ end at \\ 1112 \\ 1112 \end{array} $	0.64 0.30 0.29 0.12 0.08 6.16 2000 18.98 0.20	9.04 8.61 8.80 8.76 8.69 8.57 M	-159.0 -170.7 -170.7 -171.2 -171.8 -166.0 -167.2	W/A	grav		

	am	nec	0		Project Name Crown Chevro							
	MONITOR AMPLE COL	ING	WE		Project/Task OD10160070.00				ALIDY	Da	Date: 5.29.13	
Well Num		LECHC		Samp	le ID:	- 10	-	1 E.	Duplicate ID:			
	MP-02	1			MP-02-1				- aproate ro.	N/A		
Method o	-	•	1.5		thod of Sampling:				Intake Depth	\$		
Perista	f Purging: Thic pump and lift fo	+ de	dici	ited s	e proje	metho	d		12.0	T		
1110-11			5		Field Eq	uipment			+			
Equi	pment		Mo	odel	Sorial #/Rental ID				ate /Serviced	Dat	e Calibrated	
Multi-Probe	2		YSI	-556	0200577			5	28.13	5.	29.13	
Turbidimet	er	N/A				/A		N/A				
		4		Ca	sing Purge Vol	lume Cal	culati	ons			· · · · · · · · · · · · · · · · · · ·	
A. Depth to	Water = <u>11.1</u>	ll_ft.	D. \		B-A) = 1,79	****			Water After Sam	npling = 1^2	. 10_ft.	
	I Depth = 12.				$C^2 \times 0.0408 \times D) =$. A	ctual V	olume Puraed (fr	om below) =	270 gal/m.	
	heter = 0.37		l.	-	$(3 \times E) = 0.03$	_			ble, see pumping s	-		
Pump and	Flow Cell Volu	ime	Vp	= N	/A ml		Pu	Impin	g System Vol	ume Calcu	lation	
Tubing Insi	ide Diameter		1	=	in.	NA		Pu	Imping System	Volume (V _S)	
Tubing Len	gth		L	. = 0	in.							
Conversion	from Inches ³	to ml	1 in	$^{3} = 16.39$	ml	V	/s = () + (3.1415 *	2/40	*() * 16.39	
	Purging Data			1						6, 57	-flow sampling)	
Time (24 hr)	Purge Volume	Flow I	n	Temp (°C)	Specific Conductance (µS/cm)	Dissolv Oxyge (mg/L	ed	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,	
(2111)	🗆 gal 🕅 ml	1⊠ ml/		Stabilization ⁽¹⁾	± 3%	± 0.2 mg	1/L	± 0.2	± 20 mV	±10% or <10 NTU	odor, etc)	
0850	Initial	100	>	21.46	1337	1.90	1	7.45	47.3	NIA	clear	
0852	200			21.59	1343	1.89		7.50	-43.8	l		
0854	270			21.74	1373	1.7	8 -	7.55	-38.0			
0854	270	n	Jel	dewa	tered							
1425	~		_		I to wel	l. w		11.19				
1430	·		•	22,77	I	1,80		7.09	2.9		clear	
	0-11-11-11-11-11-11-11-11-11-11-11-11-11											
Remarks:	1430	> \$	τm	pred.	connected	3-H	cl	NOA	for 37	260B +	TPitg	
⁽¹⁾ Based or Signature	EPA low-flow	sampling	guide	elines.		Checked	By:					

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	an	nec	0	6	Project Name Crown Chevro					-		
	MONITOR SAMPLE COL	ING	WEL		Project/Task OD10160070.0			mpled By: D. Allbut		Date: 5.29.13		
Well Nun	nber/ID:			Samp	le ID:			Duplicate ID:				
	P-02-2			~	18-02-2			N/A				
Perista	f Purging: the pon	p +d	edica	sed Metho	e purge n			Intake Depth: 36.4				
inerti	al lift 1	vbin	3	~		uipment		-01				
Equi	pment		Мо	del	Serial #/Pental ID			Date Deceived/Serviced			Date Calibrated	
Multi-Prob	9		YSI-	556	02005			28:13	512	9.13		
Turbidimet	er		N	/A	N/A			I/A		N/A		
		.1		Ca	sing Purge Vo	lume Calcu			1			
A Depth to	Water = _ ll .	50 #	0.4		B-A) = 24.9		1	Water After Car		10	1	
					$(2^2 \times 0.0408 \times D) =$			Water After San				
	$I \text{ Depth} = \frac{36}{3}$							olume Purged (fr			gal@	
C. Well Dian	neter = 0.37	<u>5</u> in.	F. 3	Well Volumes ((3 x E) =, H	<u>(3</u> gal.	(If applica	able, see pumping s	system volume ca	alculation	h below)	
Pump and	Flow Cell Volu	Ime	Vp	= N	/A ml		Pumpin	ig System Vol	ume Calcul	ation		
Tubing Ins	ide Diameter		D	=	in.	NA	Ρι	Imping System	Volume (V _S)			
Tubing Ler	igth		L	=	in. $V_5 = V_P + \pi * D^2 / 4 * L * 16.39 \text{ ml/in}^3$							
Conversion	from Inches ³	to ml	1 in ³	= 16.39	ml	Vs =) + (3.1415 *) * 16.39	
	Purging Data	1	-	Water Qu	ality Parameter	s (within ran	ige for 3	consecutive rea	adings if low-	flow s	ampling)	
Time (24 hr)	Purge Volume	Flow I	n	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	([Remarks DTW, color,	
	🗆 gal 🖗 ml	j∝ ml/	1	Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	±10% or <10 NTU		odor, etc)	
0912	Initial	10.	o	21.21	1160	1.34	8,56	- 203,9	N/A	gr	"y'; clad	
0916	200			20.78	1128	1.48	8.34)		T	
0928	300			19.84	1221	1.57	7.70				1	
0933	370	ł		19.90	1225	1.62	7.36				1	
0933	370		we		atered						****	
1445	Returne		Ť		1L= 20.81	4						
1450	-		- 0	23.61	1175	2.17	8.30	-174.3		1	udy;	
150				43.61	"ITS	2,1t	DISU	117.5		gro	LY	
Remarks:	1450	Sav	nple	d. Coll	ected 3-	Itci Va	DA FO	r 8260B	+ TPItz			
(1) Provid												
Rased or	EPA low-flow	sampling		ines.								
Signature	. (.).	The ki	V	Vit		Checked B						

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Page	of	

		ING			Project Name Crown Chevrol Project/Task OD10160070.00	let #:	Sa	mpled By: D. Allb. F	Da	te: 5、29,1	3	
Well Nun		LLCTIC	TEOG	Sampl	e ID:	_		Duplicate ID:				
MI	P-02-3				MP-02 - 2	`		-	14			
Method o	Purging: thic pump u lift the	s + de	dicated	Method of Sampling: Intake Depth:								
inertia	u lift thb	ina		5.4	e purge n			57.8				
		1	-	1	Field Eq	uipment		-1-	1			
Equi	pment		Mode	odel Serial #/Rental			-	ate I/Serviced	Date	e Calibrat	ed	
Multi-Prob	е	1	YSI-55	5	020057-	7	5.28	.13	5.29	.13		
Turbidimet	ter		N/A		N/A		P	I/A		N/A		
				Cas	sing Purge Vol	ume Calc	lations					
A. Depth to	Water = <u>IH</u>	24 ft.	D. Wate	r Column (B	-A) = <u>43.56</u>	ft.	Depth to	o Water After San	npling = <u>16</u>	. 21 ft.		
B. Well Tota	al Depth = 57	`8 _{ft.}	E. 1 We	li Volume (C	² x 0.0408 x D) =	0.25 _{gal.}	Actual V	olume Purged (fr	rom below) =	600 0	gal (mD	
C. Well Diar	neter = 0.379	<u>in.</u>	F. 3 We	ll Volumes (3	3 x E) =7	5 gal.	(If applic	able, see pumping s	system volume ca	alculation bel	ow)	
Pump and	Flow Cell Volu	Ime	· V _p =	N	/A ml		Pumpi	ng System Vo	iume Calcul	ation		
Tubing Ins	ide Diameter				in.	N/A	P	umping System	Volume (V _S)			
Tubing Ler	ngth		L =	:	in.	1		$f_{\rm p} + \pi * D^2 / 4 *$				
-	from Inches ³	to ml	1 in ³ =	16.39	ml	Vs	= (_) + (3.1415 * _	$^{2}/4)^{2}$	* () * 16.39	
					ality Parameters							
Time				Temp	Specific Conductance	Dissolve	d pH	Oxidation Reduction	Turbidity		narks	
Time (24 hr)	Volume	Flow F	า	(°C)	(μS/cm)	Oxygen (mg/L)	-	Potential (mV)	(NTU)	(DTW	I, color,	
			n min	(°C) bilization ⁽¹⁾ :				(mV)	(NTU) ±10% or <10 NTU	(DTW odo	/, color, r, etc)	
	Volume	🗆 gpr	n min Sta l		(μS/cm)	(mg/L)		(mV) ± 20 mV	±10% or	(DTW	/, color, r, etc)	
(24 hr)	Volume □ gal ୟ ml	□ gpr ⊠ ml/	n min Sta	bilization ⁽¹⁾ :	(μS/cm) ± 3%	(mg/L) ± 0.2 mg/	L ± 0.2	(mV) ± 20 mV 1 ~111.5	±10% or <10 NTU	(DTW odo	/, color, r, etc)	
(24 hr)	Volume gal & ml	□ gpr ⊠ ml/	n min Stal	bilization ⁽¹⁾ :	(μS/cm) ± 3% Ιο Υ.b	(mg/L) ± 0.2 mg/ 2,21	L ± 0.2 8.01 8.7	(mV) ± 20 mV 1 ~ (11.5 (~138.0	±10% or <10 NTU	(DTW odo tan;si cioua	/, color, r, etc) ιη;	
(24 hr) 0949 0952	Volume _ gal & ml Initial 100	□ gpr ⊠ ml/	n min Stal	bilization ⁽¹⁾ : 21.41 20.97	(μS/cm) ± 3% 10 Ub 9 59	(mg/L) ± 0.2 mg/ 2.21 0.32	L ±0.2 8.01 8.7	(mV) ± 20 mV 1 ~(11.5 (~138.0 ~134.6	±10% or <10 NTU	(DTW odo tan; si cloud	/, color, r, etc)	
(24 hr) 0949 0952 0955	Volume gal gal m Initial 100 200	□ gpr ⊠ ml/	n min Stal	bilization ⁽¹⁾ : 21.41 20.97 21.16	(μS/cm) ± 3% 10 Ub 9 59 9 U8	(mg/L) ± 0.2 mg/ 2.2 [0.32 0.55	L ±0.2 8.01 8.7 8.61 8.61	(mV) ± 20 mV 1 ~(11.5 1 ~138.0 -134.6 1 ~137.8	±10% or <10 NTU	(DTW odo tan'si cioca gray's sandy	<pre>/, color, r, etc) </pre>	
(24 hr) 0949 0952 0955 0958	Volume gal Q ml Initial 100 200 300	□ gpr ⊠ ml/	n min Stal	bilization ⁽¹⁾ : 21.41 20.97 21.16 20.78	(μS/cm) ± 3% 10 Ub 9 59 9 U 8 9 U 8 9 Ub	(mg/L) ± 0.2 mg/ 2.21 0.32 0.55 0.55	L ±0.2 8.01 8.7 8.61 8.61	(mV) ± 20 mV f ~[11.5 (~138.0 ~134.6 1 ~137.8 ~148.7	±10% or <10 NTU	(DTW odo tan'si cioca gray's sandy	/, color, r, etc)	
(24 hr) 0949 0952 0955 0958 1001	Volume gal Q ml Initial 100 200 300 400	□ gpr ⊠ ml/	n min Stal	bilization ⁽¹⁾ : 21.41 20.97 21.16 20.78 20.63	(μS/cm) ± 3% 1046 959 948 948 951	(mg/L) ± 0.2 mg/ 2.21 0.32 0.55 0.55 0.55	L ±0.2 8.01 8.7 8.61 8.65 9.66	(mV) ± 20 mV 1 ~1(1.5 1 ~138.0 -134.6 1 ~137.8 -148.7 5 ~147.5	±10% or <10 NTU	(DTW odo tan'si cioca gray's sandy	<pre>/, color, r, etc) 1ty; silty; , elosde</pre>	
(24 hr) 0949 0952 0958 1001 1004	Volume gal Q ml Initial 100 200 300 400 500	□ gpr ⊠ ml/	n min Stal	bilization ⁽¹⁾ : 20.97 21.16 20.78 20.63 20.76	(μS/cm) ± 3% 10 46 959 948 948 951 954	(mg/L) ± 0.2 mg/ 2.21 0.32 0.55 0.55 0.55 0.40 0.34	L ±0.2 8.04 8.7 8.64 8.66 8.66 8.66 8.66 8.66	(mV) ± 20 mV 1 ~1(1.5 1 ~138.0 -134.6 1 ~137.8 -148.7 5 ~147.5	±10% or <10 NTU	(DTW odo tan'si cioca gray's sandy	(, color, r, etc)	
(24 hr) 0949 0952 0955 0958 1001 1004 1007	Volume gal SI ml Initial 106 200 300 400 SDO 600	ι gpr Σε ml/	n min Stal	bilization ⁽¹⁾ : 21.41 20.97 21.16 20.78 20.63 20.76 20.58	(μS/cm) ± 3% 10 46 959 948 948 951 954	(mg/L) ± 0.2 mg/ 2.21 0.32 0.55 0.55 0.40 0.34 0.49	L ±0.2 8.01 8.7 8.61 8.60 9.60 9.93 9.93 9.90	(mV) ±20 mV 1 ~111.5 1 ~138.0 -134.6 1 ~137.8 -148.7 -148.7 -145.2	±10% or <10 NTU	(DTW odo tan'si cioca gray's sandy	(, color, r, etc)	
(24 hr) 0949 0952 0958 1001 1004 1007 Remarks:	Volume gal I ml Initial 106 200 300 400 SDO 600	□ gpr IS ml/	n min Stal	bilization ⁽¹⁾ : 21.41 20.97 21.16 20.78 20.63 20.63 20.76 20.58	(μS/cm) ±3% 1046 959 948 948 951 951 957 965	(mg/L) ± 0.2 mg/ 2.21 0.32 0.55 0.55 0.40 0.34 0.49	L ±0.2 8.01 8.7 8.61 8.60 9.60 9.93 9.93 9.90	(mV) ±20 mV 1 ~111.5 1 ~138.0 -134.6 1 ~137.8 -148.7 -148.7 -145.2	±10% or <10 NTU	(DTW odo tan'si cioca gray's sandy	<pre>/, color, r, etc) </pre>	

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	am	ec	0		Project Name Crown Chevro						
	MONITOR	ING			Project/Task OD10160070.0			H. Young 5/29			
Well Num				Sampl	e ID:			Duplicate ID:			
(MP-03-	-1 -			MP-03	-1	1	N/A			
	f Purging:			Metho	d of Sampling		1	Intake Depti	1:	1	
Peristal	utic pun	np		Pen	stablic Pi	mp			14.1	٥	
			_		Field Eq	uipment			1		
Equi	pment		Мо	del	Serial #/Rental ID Reco			te /Serviced	Date	e Calibrated	
Multi-Probe	-Probe YSI-556				0200577 AI	9	528	13	5/2	9/13	
Turbidimet	er	******	N/	/A	N/A		N/	A		N/A	
				Ca	sing Purge Vol	lume Calcul	ations				
A. Depth to	Water = 12.2	21_ft.	D. W	/ater Column (E	-A) = <u>2.39</u>	.ft.	Depth to	Water After San	npling = 12	20 _{ft.}	
B. Well Tota	I Depth = $ \mathcal{U}_{i} $	le_ft.	E. 1	Well Volume (C	² x 0.0408 x D) =	C.OHgal.				gal/ml.	
					3 x E) =	t_gal.	(If applicat	le, see pumping s	ystem volume ca	alculation below)	
Pump and	Flow Cell Volu	me		= N/			Pumping	System Vol	ume Calcul	ation	
Tubing Ins	ide Diameter		D	1 =	in.	N/A	Pur	nping System	Volume (V _s)		
Tubing Len	gth		L	=	, in.			$+\pi * D^2/4 *$	L * 16.39 m	nl/in ³	
	from Inches ³	to ml	1 in ³	= 16.39							
	Purging Data		1		Į					-flow sampling)	
					Specific	Dissolved		Oxidation			
Time (24 hr)	Purge Volume □ gal □ ml	Flow R		Temp (°C)	Conductance (µS/cm)	Oxygen (mg/L)	рН	Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,	
				Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	±1.0% or <10 NTU	odor, etc)	
1247	Initial	100		21.02	1309	6,46	6.98	-55.8	N/A	at brown (
1250	800	200	C	2078	1310	0.46		-57.6		Slightly turb	
1253	1400	ſ		20.41	1310	0.31	6.90	-58.3	7	Slightodor wateriscle	
.000				0.00		_				here a fer	
10010		4		20.19	1310	0.26	6.80	-58.3	V		
1256		4		20.29	1310	0.26	6.80	-58.3	V		
1250		4		20.29	1310	0.26	6.86	-58.3			
1250		4		20.19	1310	0.26	6.86	-58.3			
1250		4		20.19	1310	0.26	6.86	-58.3	V		
1250		4		20.19	1310	0.26	6.80	-58.3			
	.2000				· · · · · · · · · · · · · · · · · · ·						
Remarks:	.2000		10		1310 - 8240B						
	.2000		9 <i>t</i>		· · · · · · · · · · · · · · · · · · ·						
Remarks:	-2000 Saw	nplec		1300 for	· · · · · · · · · · · · · · · · · · ·						
Remarks:	.2000	nplec		1300 for	· · · · · · · · · · · · · · · · · · ·						

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	am	iec			Crown Chevrol Project/Task		Sam	pled By:	Da	te:
-	AONITOR				OD10160070.00			f. youne		5/29/13
Weli Num	ber/ID:	0		Sample	e ID:	-		Duplicate ID		
- N	NP-03-	-2			Mp-03.	-2		atalas Dauth	N/A	
Pevicial	t Purging:	wine	ertia	U Metho	e ID: MP-03 d of Sampling: MP wf MR Field Eq	10 AU	FE.	intake Depth	43.	2'
					Field Eq	uipment	mm			
	pment		Mode		Sorial #/Dontal ID			te Serviced	Date Calibrated	
Multi-Probe	9		YSI-55	56	0200577		5/28	ſ	5	29/13
Turbidimet	er		N/A		N/A		N/	'A		N/A
				Cas	sing Purge Vol	ume Calcul	ations			
A. Depth to	Water = $\frac{159}{16}$	3 ft.	D. Wat	er Column (B	-A) = 27.27	ft.	Depth to	Water After Sam	npling =	ft.
	I Depth =	1 200	E. 1 W	ell Volume (C	² x 0.0408 x D) £	<u>).16 gal.</u>	Actual Vo	lume Purged (fro	om below) = _	550 gal
C. Well Diam	neter = <u>0.37</u>	5 in.	F. 3 W	ell Volumes (3	$3 \times E = 0.4$	1 gal.	(If applicat	ole, see pumping sy	ystem volume ca	alculation below)
Pump and	Flow Cell Volu	ime V	Vp	= N/4) ml		Pumping	g System Vol	ume Calcul	ation
Tubing Insi	ide Diameter		D	=	in.	NIA	Pur	nping System	Volume (V _S)	
Tubing Len	igth		L :	_ V	in.	-	$V_5 = V_P$	$+ \pi * D^2 / 4 *$	L * 16.39 m	ll/in ³
	from Inches ³	tom	1 in 3	= 16.39	ml	Ve -	1	+(3.1415)	2/1)	
Conversion	i nom menes	Will .	1 111 -	- 10.59			·	- (3.1113 _	(+)	* () * 16.39
Conversion	Purging Data		1 111		ality Parameter					
Time	Purging Data Purge Volume	Flow Ra	te							flow sampling) Remarks (DTW, color,
	Purging Data	Flow Ra	in	Water Qua	ality Parameters Specific Conductance	s (within ran Dissolved Oxygen	ge for 3 c	onsecutive rea Oxidation Reduction Potential	dings if low Turbidity	-flow sampling) Remarks
Time (24 hr)	Purging Data Purge Volume	Flow Ra	ite in Sta	Water Qua Temp (°C)	ality Parameters Specific Conductance (μS/cm)	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L	ge for 3 c pH ± 0.2	Onsecutive rea Oxidation Reduction Potential (mV) ± 20 mV	turbidity Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915	Purging Data Purge Volume gal Sml Initial	Flow Ra	in Sta	Water Qua Temp (°C) abilization ⁽¹⁾ :	ality Parameters Specific Conductance (μS/cm) ± 3% 2493	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95	ge for 3 c pH ± 0.2 8.60	Oxidation Reduction Potential (mV) ± 20 mV	Turbidity (NTU) ± 10% or	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr)	Purging Data Purge Volume gal Sml Initial 200	Flow Ra	in 5 1	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2493	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43	ge for 3 c pH ± 0.2 8.00 8.47	Oxidation Reduction Potential (mV) ± 20 mV -1(G. 4 -18(J.7	turbidity Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0918	Purging Data Purge Volume gal Sml Initial	Flow Ra	in Sta	Water Qua Temp (°C) abilization ⁽¹⁾ :	ality Parameters Specific Conductance (μS/cm) ± 3% 2493	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95	ge for 3 c pH ± 0.2 8.00 8.47 8.52	Oxidation Reduction Potential (mV) ± 20 mV	turbidity Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0918 0921 0921	Purging Data Purge Volume gal 15ml Initial 200 300	Flow Ra opm wml/ml Le 35 30	nte in sta 5 1 1 2	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 0.09	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2493 2494 2493 2494 2493 2510	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43 3.10	ge for 3 c pH ± 0.2 8.00 8.47 8.52	Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -186.7	turbidity Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color,
Time (24 hr) 0915 0918 0921 0921	Purging Data Purge Volume gal ISmi Initial 200 300 500	Flow Ra opm wml/ml Le 35 30	nte in sta 5 1 1 2	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 0.09 2.55	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2493 2494 2493 2494 2493 2510	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43 3.10	ge for 3 c pH ± 0.2 8.00 8.47 8.52	Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -186.7	turbidity Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0918 0921	Purging Data Purge Volume gal ISmi Initial 200 300 500	Flow Ra opm wml/ml Le 35 30	nte in sta 5 1 1 2	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 0.09 2.55	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2493 2494 2493 2494 2493 2510	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43 3.10	ge for 3 c pH ± 0.2 8.00 8.47 8.52	Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -186.7	tings if low Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0918 0921 0921	Purging Data Purge Volume gal ISmi Initial 200 300 500	Flow Ra opm wml/ml Le 35 30	nte in sta 5 1 1 2	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 0.09 2.55	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2493 2494 2493 2494 2493 2510	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43 3.10	ge for 3 c pH ± 0.2 8.00 8.47 8.52	Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -186.7	tings if low Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0918 0921 0921	Purging Data Purge Volume gal ISmi Initial 200 300 500	Flow Ra opm wml/ml Le 35 30	in sta	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 2.55 Dewott	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2493 2494 2493 2494 2493 2510	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43 3.10	ge for 3 c pH ± 0.2 8.00 8.47 8.52	Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -186.7	tings if low Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0921 0921 0920	Purging Data Purge Volume gal Sml Initial 200 300 500 5500	Flow Ra ppm ml/ml/ml Le 5 35 30 V	in Sta	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.55 2.55 Dewott	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2495 245 2510 245 245 245 245 245 245 255 255	s (within ran Dissolved Oxygen (mg/L) ± 0.2 mg/L 1.95 1.43 3.10 3.00	ge for 3 c pH ± 0.2 8.00 8.47 8.52 8.00	Onsecutive real Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -184.4 -184.4 -175.4	tings if low Turbidity (NTU) ±10% or <10 NTU	flow sampling) Remarks (DTW, color, odor, etc)
Time (24 hr) 0915 0921 0921 0920 0930 Remarks:	Purging Data Purge Volume gal 10ml Initial 200 300 500 5550 5550	Flow Ra ppm wml/ml LeE 35 30 V	in sta 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 0.09 2.55 Dewott Dewott	ality Parameters Specific Conductance (μS/cm) ± 3% 2493 2495 2493 2495 2510 275	s (within ran Dissolved 0xygen (mg/L) $\pm 0.2 mg/L$ 1.95 1.43 3.10 3.00 3.00 400B (1) Vell de	ge for 3 c pH ± 0.2 8.60 8.47 8.52 8.66 8.66	onsecutive rea Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -186.7 -184.4 -184.4 -175.4 -175.4	ter fill	flow sampling) Remarks (DTW, color, odor, etc) light brown color Mg 1
Time (24 hr) 0915 0921 0921 0920 0930 Remarks:	Purging Data Purge Volume gal 10ml Initial 200 300 500 5550 5550	Flow Ra ppm wml/ml LeE 35 30 V	in sta 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 2.55 Dewott Dewott Dewott Dewott Dewott Dewott	ality Parameters Specific Conductance (μS/cm) ±3% 2493 2493 2493 2493 2493 2493 2493 2493 2510 250 250 250 250 250 250 250 25	s (within ran Dissolved Oxygen (mg/L) $\pm 0.2 \text{ mg/L}$ 1.95 1.43 3.10 3.00 3.00 LeOB (1) Vell de 12.80 G	ge for 3 c pH ± 0.2 8.60 8.47 8.52 8.66 8.66	Disecutive real Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -184.4 -184.4 -184.4 -175.4 -175.4 -175.4 yered after yonly 0	ter fill	flow sampling) Remarks (DTW, color, odor, etc) light brown color ing 1 varey in
Time (24 hr) 0915 0921 0921 0920 0930 Remarks: At	Purging Data Purge Volume gal 10ml Initial 200 300 500 5550 5550	Flow Ra ppm pm mi/mi/mi Lef 35 30 J 1 1 (20	in sta 2 1 2 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Water Qua Temp (°C) abilization ⁽¹⁾ : 9.92 9.59 2.55 Dewott Dewott Dewott Dewott Dewott Dewott	ality Parameters Specific Conductance (μS/cm) ±3% 2493 2493 2493 2493 2493 2493 2493 2493 2510 ered 57 82 1315, M Wase	s (within ran Dissolved Oxygen (mg/L) $\pm 0.2 \text{ mg/L}$ 1.95 1.43 3.10 3.00 3.00 LeOB (1) Vell de 12.80 G	ge for 3 c pH ± 0.2 8.60 8.47 8.52 8.66 8.66	Disecutive real Oxidation Reduction Potential (mV) ± 20 mV -169.4 -186.7 -184.4 -184.4 -184.4 -175.4 -175.4 -175.4 yered after yonly 0	ter fill	flow sampling) Remarks (DTW, color, odor, etc) light brown color

	am	e	0		Crown	t Name Chevrol	let					
-	MONITOR SAMPLE COL				OD10160070.00008A/B				Sampled By: it. young		te: 5 29 13	
Well Num		(Sampl					Duplicate ID:			
	VP-03 - f Purging:				MQ-03-3 nod of Sampling:				N/A Intake Depthy			
	c pump w	inert	tal.	UFH A	Chistalfic Pump				Intake Depth: 58			
	- point of	Crug				Field Equipment						
Equi	pment		Mo	del	Serial #/Rental ID		tal ID	Date Received/Serviced		Date Calibrated		
Multi-Probe			YSI	-556	020	577	400	5/28	313	5	29/13	
Furbidimeter N/A				/A		N/A		N	/A		N/A	
				Cas	sing Pu	rge Vol	ume Calcul	ations				
A. Depth to	Water = <u>15</u> .	12 ft.	D. V	Vater Column (B	-A) = _E	12.98	ft.	Depth to	Water After Sam	pling = 21.9	<u>12</u> ft.	
B. Well Tota	Depth = 58	ft.	E. 1	Well Volume (C	² x 0.040	8 x D) =	0.25gal.	Actual Vo	olume Purged (fr	om below) =	2100 ga(/ml.)	
C. Well Diam	heter = 0.3	15 _{in.}	F. 3	Well Volumes (3 x E) = _	0.7	5_gal.	(If applica	ble, see pumping s	vstem volume ca	alculation below)	
Pump and	Flow Cell Volu	me	Vp	= N	/A	ml		Pumpin	g System Vol	ume Calcul	ation	
Tubing Ins	ide Diameter		D	, =	1	in.	NA	Pu	mping System	Volume (V _S)		
Tubing Len	gth		L	= \	V	in.		Vs=Vi	$+\pi * D^2 / 4 *$	L * 16.39 m	ıl/in ³	
Conversion	from Inches ³	to ml	1 in	³ = 16.39		ml	Vs =	() + (3.1415 * _	2/4)*	* () * 16.39	
	Purging Data	1	1	Water Qu	ality Par	ameters					-flow sampling)	
Time (24 hr)	Purge Volume	Flow I	n	Temp (°C)	Sper Conduc (µS/		Dissolved Oxygen (mg/L)	рH	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,	
	Li gai tự mi			Stabilization ⁽¹⁾ :	± 3	%	± 0.2 mg/L	± 0.2	± 20 mV	±10% or <10 NTU	odor, etc)	
1216	Initial	150	C	22.62	108	9	1.44	8.44	-261.3	N/A	grayish bow	
1219	900	100	2	22.101	10	14	0.04		-267.5		Brownishgrey	
1222	1200	1		22.58	107		0.04		-268.5			
12.25	1500			22.58	101		0.05	7.77	-			
1228	1800			22.52	105		0.04	7.69	-241.0			
1231	2100	V		22.48	105	54	0.07	7.59	-239.7	V		
											mpar -	
Remarks:	Sam	plee	10	1235	for	- 87	2608 (VOCS	+TPHg))		
	******									5		
(1) Based or	EPA low-flow	sampling	guide	lines.								
Signature	A.	la	X				Checked B	/:				
the second se												

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Page	_	 0

	arr	nec	9	Project Name Crown Chevro		······································					
	MONITOR SAMPLE COL	ING W		Project/Task OD10160070.0			npled By: 1. Young	Da	Date: 5/29/13		
Well Num	ber/ID:			le ID:			Duplicate ID:				
-	1P-04-	1		MP-04-			******	V/A			
	f Purging:	1.0.0.10		hod of Sampling: Peristaltic Pump			Intake Depth:				
Pens	taltic Pu	mp	ŀ			ip		15.7			
	_	-		Field Ed	quipment	D/	ate				
Equi	pment	1	Model	Serial #/Ren	ital ID		/Serviced	Date	e Calibrated		
Multi-Probe	9	Y	SI-556	0200577	AA	5/28	113	5/	29/13		
Turbidimet	er		N/A	N/A			/A		N/A		
			Ca	ising Purge Vo	lume Calcul	ations		L			
A. Depth to	Water = 11.5	51 ft. D	. Water Column (B-A) = 4.19	ft.	Depth to	Water After Sam	npling = 15	12 ft.		
	I Depth = 15			$C^2 \times 0.0408 \times D) =$		-			420 galmi.		
	heter = 0.31			$(3 \times E) = 0.0^{-0.0^{-1}}$					K		
					gai.	1	ble, see pumping s	-			
Pump and	Flow Cell Volu	ime V _r	, = N	A ml	•		g System Vol				
Fubing Ins	ide Diameter	D	=	in.	N/A	Pu	mping System	Volume (V _S)			
Fubing Len	gth	L	= .	in.							
Conversion	from Inches ³	to ml 1	$in^3 = 16.39$	ml	Vs =	() + (3.1415 * _	2/4)	*() * 16.39		
	Purging Data		Water Qu	uality Parameter	rs (within ran	ge for 3 c	onsecutive rea	dings if low	-flow sampling)		
Time (24 hr)	Purge Volume	Flow Rate	e Temp (°C)	Specific Conductance (µS/cm)	rs (within ran Dissolved Oxygen (mg/L)	ge for 3 c	Oxidation Reduction Potential	Turbidity (NTU)	Remarks (DTW, color,		
Time (24 hr)	Purge	Flow Rate	e Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen		Oxidation Reduction	Turbidity	Remarks (DTW, color, odor, etc)		
(24 hr)	Purge Volume	Flow Rate	e Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845	Purge Volume I gal M ml	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾	Specific Conductance (µS/cm) ± 3%	Dissolved Oxygen (mg/L) ± 0.2 mg/L	рН ±0.2 7.23	Oxidation Reduction Potential (mV) ± 20 mV . ~ 206.3	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850	Purge Volume gal I ml Initial	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03	Specific Conductance (µS/cm) ± 3% 1.308 1.317	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1,29 1,90	рн ±0.2 7.23 7.08	Oxidation Reduction Potential (mV) ± 20 mV 206.3 - 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume gal V ml Initial 200 400	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1, 29	рН ±0.2 7.23	Oxidation Reduction Potential (mV) ± 20 mV . ~ 206.3 ~ 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume gal I ml Initial	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1,29 1,90	рн ±0.2 7.23 7.08	Oxidation Reduction Potential (mV) ± 20 mV 206.3 - 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume gal V ml Initial 200 400	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1,29 1,90	рн ±0.2 7.23 7.08	Oxidation Reduction Potential (mV) ± 20 mV 206.3 - 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume gal V ml Initial 200 400	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1,29 1,90	рн ±0.2 7.23 7.08	Oxidation Reduction Potential (mV) ± 20 mV 206.3 - 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume gal V ml Initial 200 400	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1,29 1,90	рн ±0.2 7.23 7.08	Oxidation Reduction Potential (mV) ± 20 mV 206.3 - 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume gal V ml Initial 200 400	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ± 0.2 mg/L 1,29 1,90	рн ±0.2 7.23 7.08	Oxidation Reduction Potential (mV) ± 20 mV 206.3 - 124.1	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855 0856	Purge Volume □ gal 10 ml Initial 200 400 420	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42 Dewat	Specific Conductance (µS/cm) ± 3% 1308 1317 1329 erecl	Dissolved Oxygen (mg/L) ±0.2 mg/L 1.29 1.90 4-31	рн ±0.2 7.23 7.08 7.42	Oxidation Reduction Potential (mV) ± 20 mV - 206.3 - 124.1 - 87.2	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855 0856	Purge Volume □ gal 10 ml Initial 200 400 420	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42 Dewat	Specific Conductance (µS/cm) ± 3% 1308 1317 1329 erecl	Dissolved Oxygen (mg/L) ±0.2 mg/L 1.29 1.90 4-31	рн ±0.2 7.23 7.08 7.42	Oxidation Reduction Potential (mV) ± 20 mV - 206.3 - 124.1 - 87.2	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855	Purge Volume □ gal 10 ml Initial 200 400 420	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42 Dewat	Specific Conductance (μS/cm) ± 3% 1.3.0.8 1.3.17 1.3.29	Dissolved Oxygen (mg/L) ±0.2 mg/L 1.29 1.90 4-31	рн ±0.2 7.23 7.08 7.42	Oxidation Reduction Potential (mV) ± 20 mV - 206.3 - 124.1 - 87.2	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0855 0855 0856	Purge Volume □ gal 10 ml Initial 200 400 420	Flow Rate	e Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42 Dewat	Specific Conductance (µS/cm) ± 3% 1308 1317 1329 erecl	Dissolved Oxygen (mg/L) ±0.2 mg/L 1.29 1.90 4-31	рн ±0.2 7.23 7.08 7.42	Oxidation Reduction Potential (mV) ± 20 mV - 206.3 - 124.1 - 87.2	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855 0856	Purge Volume gal 10 ml Initial 200 400 400 420		E Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42 Dewat	Specific Conductance (µS/cm) ± 3% 1308 1317 1329 erecl	Dissolved Oxygen (mg/L) ±0.2 mg/L 1.29 1.90 4-31	рн ±0.2 7.23 7.08 7.42	Oxidation Reduction Potential (mV) ± 20 mV - 206.3 - 124.1 - 87.2	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		
(24 hr) 0845 0850 0855 0856	Purge Volume gal Mml Initial 200 400 400 400 400 400 400 400 400 400		E Temp (°C) Stabilization ⁽¹⁾ 19.91 19.03 19.42 Dewat	Specific Conductance (µS/cm) ± 3% 1308 1317 1329 erecl	Dissolved Oxygen (mg/L) ±0.2 mg/L 1.29 1.90 4-31	рн ±0.2 7.23 7.08 7.42 СS+TP	Oxidation Reduction Potential (mV) ± 20 mV - 206.3 - 124.1 - 87.2	Turbidity (NTU) ±10% or <10 NTU	Remarks (DTW, color, odor, etc)		

	an		0		Project Name Crown Chevro			·····				
		ING			Project/Task OD10160070.0			mpled By:	5/29/13			
Well Num		LECTIC		Sampl	e ID:			H-Moung 5/29/13 Duplicate ID				
	2-04-2			-	MP-04-2	2		N/A				
Method o	f Purging:	******		Metho	d of Sampling]:		Intake Depth:				
Inertial	lift/checi	<i>kball</i>		P	enstalti	chmp			41.7			
		1			Field Ec	quipment			1			
Equi	pment		Mo	odel	Serial #/Ren	ital ID		ate /Serviced	Date	e Calibrated		
Multi-Prob	9		YSI	-556	62005771	AA	5/2	8 13	51:	29/13		
Turbidimet	er		N	/A	N/A			/A		N/A		
				Ca	sing Purge Vo	lume Calcu	lations					
A. Depth to	Water = 12,7	17 ft.	D. V	Vater Column (B	A) = <u>28.93</u>	_ft.	Depth to	Water After Sar	npling = <u>46</u>	.20 ft.		
	I Depth = 41.				² x 0.0408 x D) =	# _		olume Purged (fr				
	neter = 0.37		1		3 x E) =			able, see pumping s		V		
	Flow Cell Volu		1			<u> </u>		ig System Vo		-		
	ide Diameter		V _p D	= N =	/ // in.							
-						AM	Pumping System Volume (V _s) $V_s = V_p + \pi * D^2 / 4 * L * 16.39 \text{ ml/in}^3$					
Tubing Ler			L	= ^	in.		V _S = V	$p + \pi + D^2 / 4^3$	* L * 16.39 n	nl/in ³		
Conversion	from Inches ³	to ml	1 in	³ = 16.39	ml	Vs =	= () + (3.1415 * _	²/4)	* ()* 16.39		
	Purging Data	1		Water Qu	ality Parameter	rs (within rar	nge for 3		adings if low	-flow sampling)		
Time (24 hr)	Purge Volume	Flow I	n	Temp (°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color, odor, etc)		
				Stabilization ⁽¹⁾ :	± 3%	± 0.2 mg/L	± 0.2	± 20 mV	±10% or <10 NTU			
0815	Initial	30)	19.40	1455	2.01	7.82	-204.3	NA	light brown, Hesoclor		
0822	200	Cor		20.15	1418	1.67	8.30	-232-1	Į.	davkgray, St Its oder		
0825	400	1		20.17	1408	0.88			V			
0829	570	¥		Dewate	ered							
~~~				a war	<u>~1.t.Q</u>							
										1		
*****												
		-										
	0		-		0 0 0		ines in			1		
Remarks:	Jam	pled	C	1340 -	For 826	OB (V	UC+T	Pltg)				
								~				
1,111,111,111,111,111,111,111,111,111,												
(1) Based or	EPA low-flow	sampling	guide	lines.			/a					
Signature	: (A)	lur	le			Checked B	y:					
	00	0	M	11								

	an	nec	S	Project Name Crown Chevro				_			
	MONITOR SAMPLE COL	RING V		<b>Project/Task #:</b> OD10160070.00008A/B		Sampled By: H. young		Dat	e: 5 29 13		
Well Nun	and the second se	-	Sam	ple ID:	-		Duplicate ID				
N	1P-04-	3		MP-04				N/A	· .		
	of Purging: altic l	uno		od of Sampling		Intake Depth: 58. 6					
1 01 131	ander	Ciril		enistalt				00.1	9		
Equi	ipment		Model	Field Equipment Serial #/Rental ID			ate /Serviced	Date	Calibrated		
Multi-Probe			YSI-556			Received/Serviced		Flacha			
Turbidimeter			N/A	0200577 AA N/A		5/28/13 N/A		5/29/13 N/A			
				asing Purge Vo	lume Calcu						
A. Depth to	Water = 14.0	Sft.	D. Water Column (				Water After San	$a_{\text{max}} = 30$	16 A		
	I Depth = 58.			1 Well Volume ( $C^2 \times 0.0408 \times D$ ) = 0.25 c			Depth to Water After Sampling = <u>30.16</u> ft. Actual Volume Purged (from below) = <u>2300</u> ga(ml.)				
	neter = $0.31$										
							(If applicable, see pumping system volume calculation below)				
Pump and Flow Cell Volume V _p											
Tubing Inside Diameter D				in.	N/A Pumping System Volume (		Volume (V _S )	. 2			
Tubing Length L			Y	in. in. in. $V_{s} = V_{p} + \pi * D^{2} / 4 * L * 16.39 ml/in^{3}$							
Conversion	1 from Inches ³		$1 \text{ in}^3 = 16.39$	ml	Vs =	= (	) + (3.1415	2/4)*	() * 16.3		
	Purging Data	1	Water Q	uality Parameter	rs (within ran	nge for 3 c		adings if low-1	low sampling)		
<b>Time</b> (24 hr)	Purge Volume	Flow Ra □ gpm ⊮ ml/m	(°C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Oxidation Reduction Potential (mV)	<b>Turbidity</b> (NTU)	<b>Remarks</b> (DTW, color, odor, etc)		
		La mym	Stabilization ⁽¹⁾	± <b>3%</b>	±43% ± 0.2 mg/L ± 0.2 ±		± 20 mV	±10% or <10 NTU	0001, etc)		
1058	Initial	250	21.04	1034	1.01	8.18	-246.5	N/A			
1101	800		21.04	1034	0.65	8.00	-249.4	ŕ			
1104	1550	V	20.00	1050	0.22		-253.8	VI			
1106	2300	,		Dewatered				¥			
			· · · · · · · · · · · · · · · · · · ·			*					
Remarks:	Sam	pled	@ 1405	for 8	2603 (	VOCS 4	FTPItg)				
	1		collect	ed.							
(1)	FPA low-flow	sampling g	uidelines.								
Based or	A 1	A		1							

	am	nec	0	÷	Project Name Crown Chevro						
MONITORING WELL SAMPLE COLLECTION LOG					Project/Task #: OD10160070.00008A/B			Sampled By:		Date:	
								Allbut		5.29.13	
Well Nun	and the second sec			Sampl				Duplicate ID	· N/A		
MW-01 Method of Purging: peristatic pumpt dedicated S					MW-01			Intaka Donth	Ψ		
peristal	tic pumpt	- ded	icate	d Se	Method of Sampling: See purging method			Intake Depth:			
tubing	S		_	~		uipment					
Equipment Mod			del			Date Received/Serviced		Date Calibrated			
Multi-Probe		YSI-556		0200577		5.28.13		5.29.13			
Turbidimeter		N/A		N/A		N/A		N/A			
				Ca	sing Purge Vol	ume Calcul	ations				
A. Depth to	Water =13	,89ft.	D. W		3-A) = 7.28			Water After San	npling = <u>13</u>	1.89 ft.	
B. Well Tota	al Depth = $\frac{2\ell}{2}$	17 ft.			$C^2 \times 0.0408 \times D) =$						
	neter = <u>3/4</u>		1		Vell Volumes (3 x E) = $0.50$ gal.			(If applicable, see pumping system volume calculation below)			
				= N/	1		Pumping System Volume Calculation				
· ·			=	in. $W/A$ Pumping System Volume (V _s )							
Tubing Ler			L ·	=	in.		Vezy	$+\pi * D^2/4 *$	<l *="" 16="" 39="" n<="" td=""><td>nl/in³</td></l>	nl/in ³	
	from Inches ³	to ml		= 16.39	ml	V. –					
Conversion	2.5.00.5.7		1 111		l					* () * 16.3	
	Purging Data			Water Qu		1	ge for 3	Consecutive rea	adings if low	-flow sampling)	
<b>Time</b> (24 hr)	Purge Volume □ gal ⊠ ml	Flow Ra	n	<b>Тетр</b> (°С)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	рН	Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,	
		🖗 ml/min		Stabilization ⁽¹⁾ :	± <b>3%</b>	± 0.2 mg/L	± 0.2		±10% or <10 NTU	odor, etc)	
1041	Initial	10	0	19.26	1165	5.10	6.68	92,8	N/A	clear	
1044	800			19.11	1161	4,19	6,67	2 121.0			
1047	1100			18.96	1158	3,88	6.42	132.3			
1050	1400			19.02	1157	3,95	6.3				
1053	1700			18:91	1156	3,80	6.35	1			
1050	2000			18,91	1156	3,78	6.39				
1.7.7.9								1 - 010			
		-		•			-			*****	
		1									
								ł			
Remarks:	1100	50	imp	red. C	ollected	3-401	Voa	- for 82	6081 1	TP 1ta	
Remarks:	1100	50	imp	red. C	ollected	3-401	Voa	- <del>Gun 82</del>	60B 1 1	TP 1Hg	
					ollected	3-Hci	Voa	- for 82	60817	TP 14g	
	t ( 0 0				F	3-HCI	Voa	- Fun 82	6087 1	ir Hg	

	1		1
Page	<u> </u>	of	

	an	her	0		Project Name Crown Chevro			_					
	MONITOR SAMPLE COL	ING			<b>Project/Task #:</b> OD10160070.00008A/B				npled By: D. Allbut	Da	te: 5/29/13		
Well Nun	nber/ID:			Samp	le ID:				Duplicate ID	:			
·r	MW-02	-			mw-02				mu	1-200			
Method o	of Purging: (-	enista	iti	C Meth	od of Sampling	:			Intake Dept		1		
point	CREDITION	cu ji		9	Same as	1 1		-		n.75			
		1	-		Field Eq	uipmer	nt			1			
Equi	ipment		Mo	del	Serial #/Ren	tal ID	F		ate /Serviced	Date	e Calibrated		
Multi-Prob	e		YSI	-556	0200577			5/2	8 13	5/2	9/13		
Turbidime	ter	***	N	/A	N/A			N	/A	N/A			
				Ca	sing Purge Vo	lume Ca	lcul	ations					
A. Depth to	Water = 10.3	20_ft.	D. V	Vater Column (	B-A) =	ft.		Depth to	Water After Sar	mpling =l c	. <u>21</u> ft.		
B. Well Tota	al Depth = <u>19</u> .	92 _{ft.}	E. 1	Well Volume (	$C^2 \times 0.0408 \times D) =$	=g	jal.	Actual V	olume Purged (fr	rom below) = $\frac{1}{2}$	2200 gal/ml.		
C. Well Diar	neter = <u>3/4</u>	in.	F. 3	Well Volumes	(3 x E) =	gal.		(If applica	ble, see pumping s	system volume ca	alculation below)		
Pump and	Flow Cell Volu	ıme	Vp	=. P.	/A ml			Pumping System Volume Calculation					
Tubing Ins	ide Diameter		D	= N	/A in.	N/1.	t	Pumping System Volume (V _S )					
Tubing Ler	ngth		L	- V	:	-	_	$V_{\rm S} = V$	$_{\rm D} + \pi * D^2 / 4 *$	* L * 16.39 m	nl/in ³		
Conversion	from Inches ³	to ml	1 in	$^{3} = 16.39$	ml		_V _S =	(	) + (3.1415 * _	² /4) ³	* ( ) * 16.39		
	Purging Data	1		Water Q	ality Parameter	s (withir	n ran	ge for 3	consecutive rea	adings if low	-flow sampling)		
Time (24 hr)	Purge Volume	Flow R	٦	Temp (°C)	Specific Conductance (µS/cm)	Dissol Oxyg (mg/	len	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,		
				Stabilization ⁽¹⁾	: ± 3%	± 0.2 n	ng/L	± 0.2	± 20 mV	±10% or <10 NTU	odor, etc)		
1312	Initial	100	>	21.08	869	1.5	5	6.91	31.5	N/A	Clear; slight		
1317	1000			21.22	936	1.2	2	6.07	51.3		gray tint.		
1320	1300			21.34	954	1.2	7	6.20	60.0				
1323	1600			21.37	960	0.9	6	6.29	58.4				
1326	1900			21,38	quele	0.2	,4	6.37	-				
1329	2200	V		21.40	967	0.7	S	6.37	60.3	Y			
Remarks:	1330	San	npl	ed. (olle	cted 3-	HCIN	JOA	for	8260B+T	Prta			
		sp at						•		J			
⁽¹⁾ Based of <b>Signature</b>	n EPA low-flow		guide	lines.		Checke	ed By	V:					

	am	ec	0		Project Name Crown Chevro								
-		ING			Project/Task OD10160070.0				pled By: - Young	Date: 5 29 13			
Well Num	iber/ID: NW-03			Samp	Ie ID: MW-03			[	Duplicate ID:	N/A			
	f Purging: oltic Pu	mp		1	istaltic P.			]	Intake Depth		0'		
Equi	pment		Mode		Field Eq	uipment	Deee	Da		Date	Calibrated		
Multi-Probe	2		YSI-55	6	R			seceived/Serviced		5/	29/13		
Turbidimet	er		N/A		N/A			N/	1		N/A		
				Ca	sing Purge Vo	lume Cal	ulatio	ns					
A. Depth to	Water = <u>139</u>	0_ft.	D. Wate	er Column (I	B-A) = <u>5.45</u>	ft.	Dep	oth to '	Water After Sam	pling = <u>13</u>	<u>.93</u> ft.		
	I Depth = <u>19</u>				C ² x 0.0408 x D) =		. Act	ual Vo	lume Purged (fro	om below) =[	700 gal(ml.)		
C. Well Diam	neter = <u>0.75</u>	5_in.	F. 3 We	ll Volumes (	(3 x E) = 0.2	3 <u>8</u> gal.	(If a	(If applicable, see pumping system volume calculation below)					
Pump and	Flow Cell Volu	me	V _p =	N/A	ml				g System Vol				
Tubing Insi	Tubing Inside Diameter D =				in.	NA		Pur	mping System 1 + $\pi * D^{2} / 4 *$	Volume (V _S )			
Tubing Len	Tubing Length L =					-	Vs	- Vp	$\pm \pi * D^2 / 4 *$	L * 16.39 m	ıl/in ³		
Conversion	from Inches ³	to ml	1 in ³ =	= 16.39	ml	V	s = (	)	) + (3.1415 *	2/4)	() * 16.3		
	Purging Data	1		Water Qu	ality Parameter	s (within	ange fo	or 3 co		dings if low	-flow sampling)		
<b>Time</b> (24 hr)	Purge Volume □ gal I ml	Flow R		Temp (°C)	Specific Conductance (µS/cm)	Dissolv Oxyge (mg/L	n	рН	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Remarks (DTW, color,		
		//I		bilization ⁽¹⁾ :	± 3%	± 0.2 mg	/L ±	0.2	± 20 mV	±10% or <10 NTU	odor, etc)		
1010	Initial	100	) (	8.58	1246	0.93	36	.80	-11le.1	N/A	DTW=1435 Water SCU		
1013	900		- 1	8.46		0.74	:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-102.4	1	noodon		
1016	1100			8.44		Olel	1		-94.5		DTW= 14.33		
1019	1400		***************************************	8.40		0.5			-88.1				
1022	1700	1	18	8.37	1260	0.4	76	.76	-78.7	V	V		
	, ,												
							*********						
Remarks:	Sam	pled	0	1025	for 824	06 (	VOC	6+11	P#g)				
	·												
⁽¹⁾ Based or	EPATON TOW	sampling	guideline	S.									

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APPENDIX B

Laboratory Analytical Reports



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# **ANALYTICAL REPORT**

TestAmerica Laboratories, Inc. TestAmerica Pleasanton 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-49998-1 Client Project/Site: Crown Chevrolet

For:

AMEC Environment & Infrastructure, Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

Attn: Avery Patton

Akanef Sal )

Authorized for release by: 6/7/2013 4:59:35 PM

Afsaneh Salimpour, Project Manager I afsaneh.salimpour@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Chain of Custody	8
	0

## **Definitions/Glossary**

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

Qualifiers	
GC/MS VOA	
Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
*	LCS or LCSD exceeds the control limits
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

#### Job ID: 720-49998-1

#### Laboratory: TestAmerica Pleasanton

#### Narrative

Job Narrative 720-49998-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/30/2013 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.2° C and 2.7° C.

#### GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #137420 were outside control limits due to matrix. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 49998-4 is due to the presence of discrete peaks.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch #137422 were outside control limits. This is attributed to matrix interferences.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #137421 were outside control limits due to matrix. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch #137421 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 720-137421/3).

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 49998-6 is due to the presence of discrete peaks.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 49998-9 is due to the presence of discrete peaks.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 49998-12,13 is due to the presence of discrete peaks.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 49998-14 is due to the presence of discrete peaks.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCSD associated with batch #137513 had Naphthalene analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 137681 recovered outside control limits for the following analyte: 2,2-dichloropropane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 137681 recovered above the upper control limit twice for 2,2-dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 720-137681/2).

No other analytical or quality issues were noted.

#### Client Sample ID: TB052913-2

No Detections.

#### Client Sample ID: MW-03

Analista	Result G	Qualifier RL	MDL	Unit	Dil Fac	D	Mathad	Pron Tuno
Anałyte	Result G	auanner RL	WDL	Unit	Dir Fac	U	weutou	Prep Type
1,2-Dichlorobenzene	0.86	0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	7.5	0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	0.85	0.50		ug/L	1		8260B/CA_LUFT	Total/NA

#### Client Sample ID: MP-03-3

No Detections.

#### Client Sample ID: MP-03-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Ргер Туре
cis-1,2-Dichloroethene	0.55		0.50		ug/L	1	8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	170		0.50		ug/L	1	8260B/CA_LUFT MS	Total/NA
Trichloroethene	13		0.50		ug/L	1	8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	140	R	50		ug/L	1	8260B/CA_LUFT MS	Total/NA

#### Client Sample ID: MP-04-2

No Detections.

#### Client Sample ID: MP-04-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.67		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	26		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	13		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	52	R	50		ug/L	1		8260B/CA_LUFT MS	Totai/NA

#### Client Sample ID: MP-04-3

No Detections.

#### Client Sample ID: MP-01-2

No Detections.

Client Sample ID: MP-02-1

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

TestAmerica Job ID: 720-49998-1

Lab Sample ID: 720-49998-1

## Lab Sample ID: 720-49998-2

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2	D	Method	Prep Type	
1		8260B/CA_LUFT	Total/NA	
		MS		
1		8260B/CA_LUFT	Total/NA	
		MS		
t		8260B/CA_LUFT	Total/NA	
		MS		

#### Lab Sample ID: 720-49998-3

# Lab Sample ID: 720-49998-4

#### Lab Sample ID: 720-49998-5

Lab Sample ID: 720-49998-6

Lab Sample ID: 720-49998-7

Lab Sample ID: 720-49998-8

Lab Sample ID: 720-49998-9

TestAmerica Job ID: 720-49998-1

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dis 12-Dictionsethene         6.2         0.50         ug/L         1         process (LUFT) Total/A (2008) (CLUFT)         Total	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method		Prep Type	
trans-1,2-Dictionsehene         0.88         0.50         ug/L         1         gsdbbCA_LUFT         Total/NA           Techlorosthene         1.0         0.50         ug/L         1         gsdbbCA_LUFT         Total/NA           Tichlorosthene         4.3         0.50         ug/L         1         gsdbbCA_LUFT         Total/NA           Gasoline Range Organics (GRO)         94         R         50         ug/L         1         gsdbbCA_LUFT         Total/NA           Gasoline Range Organics (GRO)         94         R         MD         Unit         DH Fac         D         Method         Prop Typ           Tichlorosthene         0.77         0.55         ug/L         1         gsdbbCA_LUFT         Total/NA           Matyle         Result         Qualifier         RL         MDL         Unit         DH Fac         D         Method         Prop Typ           Trichlorosthene         0.77         0.55         ug/L         2         gsdbbCA_LUFT         Total/NA           No betections         Client Sample ID: MP-02-3         Lab Sample ID: T20-49994         MoL         Unit         DH Fac         D         Method         Prop Typ           Trichlorosthene         1.1         1.0         <	-						1		A_LUFT		
Trichbroethene         43         0.50         ugiL         1         Source Source MS         NS           Gascine Range Organics (GRO)         94         €         50         ugiL         1         source Source MS         1         source MS         1         source Source MS         1         source MS         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	trans-1,2-Dichloroethene	.0.88		0.50		ug/L	1	8260B/C	A_LUFT	Total/NA	
Gasoline Range Organics (GRO)         94         €         50         ug/L         1         SSOURCA_LUFT SOURCA_UFT         Total/NA MS           Client Sample ID: MP-02-2         Lab Sample ID: 720-49991         Lab Sample ID: 720-49991         Method         Prop Typ Source LUFT         Prop Typ Total/NA           Anayte Trichloroethene         0.77         0.50         Mult         Dil Foc         0         Method         Prop Typ Total/NA           No Detections.         0.77         0.50         Lab Sample ID: 720-49991         No Detections.         Lab Sample ID: 720-49991           No Detections.         Etilent Sample ID: MW-01         Lab Sample ID: 720-49992         Method         Prop Typ Total/NA           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         N Method         Prop Typ Total/NA           Tichloroethene         1.1         1.0         ug/L         2         g2008/CA_LUFT         Total/NA           Gasoline Range Organics (GRO)         100         Result         Outliffer         RL         MDL         Unit         Dil Fac         N Method         Prop Typ           Casoline Range Organics (GRO)         100         Result         Cubiffer         RL         MDL         Unit         Dil Fac	Tetrachloroethene	1.0		0.50		ug/L	1		A_LUFT	Total/NA	
C6-C12         MS           Client Sample ID: MP-02-2         Lab Sample ID: 720-49993           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Foc         D         Method         Prop Typ           Client Sample ID: MP-02-3         Lab Sample ID: 720-49993         Lab Sample ID: 720-49993         No Detectons.         Lab Sample ID: 720-49993         No Detectons.         Lab Sample ID: 720-49993           No Detectons.         Anayte         Result         Qualifier         RL         MDL         Unit         Dil Foc         D         Method         Prop Typ           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Foc         D         Method         Prop Typ           Tirchicroethene         1.1         10         ug/L         2         82081CA_LUFT         Total/NA           Gasoline Range Organics (GRO)         100         R         100         ug/L         2         82081CA_LUFT         Total/NA           Client Sample ID: MP-01-1         Lab Sample ID: 720-49994         Method         Prop Typ         MS           Client Sample ID: MP-01-11         Lab Sample ID: 720-49994         MS         82081CA_LUFT         Total/NA           Client Samp	Trichloroethene	43		0.50	1	ug/L	1		A_LUFT		
Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prop Typ           Trichicroethene         0.77         0.50         ug/L         1         g200g/CA_LUFT         Total/NA           Silient Sample ID: MP-02-3         Lab Sample ID: 720-49998         Lab Sample ID: 720-49998         Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prop Typ           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prop Typ           Terchloroethene         1.0         ug/L         2         g200g/CA_LUFT         Total/NA           Sasoline Range Organics (GRO)         100         R         100         ug/L         2         g260g/CA_LUFT         Total/NA           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prop Typ           Gasoline Range Organics (GRO)         100         R         100         ug/L         2         g260g/CA_LUFT         Total/NA           Silient Sample ID: MP-01-1         Lab Sample ID: 720-49996		94	R	50		ug/L	1		A_LUFT	Total/NA	
Trichloroethene     0.77     0.50     ug/L     1     8260B/CA_LUFT     Totel/NA MS       Silient Sample ID: MP-02-3     Lab Sample ID: 720-49990       No Detections.     Lab Sample ID: 720-49990       Analyte     Result Qualifier     RL     MDL     Unit     Dil Fac     D     Method     Prep Typ       Trichloroethene     1.0     ug/L     2     8260B/CA_LUFT     Totel/NA       Sasoline Range Organics (GRO)     100     R     100     ug/L     2     8260B/CA_LUFT     Totel/NA       Cifient Sample ID: MP-01-1     1.0     ug/L     2     8260B/CA_LUFT     Totel/NA       Gasoline Range Organics (GRO)     100     R     100     ug/L     2     8260B/CA_LUFT     Totel/NA       Cifient Sample ID: MP-01-1     Lab Sample ID: 720-49996     MS     MS     NS     NS       Cifient Sample ID: MP-01-1     Lab Sample ID: 720-49996     MS     NS     NS       Cifient Sample ID: MP-01-1     Lab Sample ID: 720-49996     MS     NS     NS       Cifient Sample ID: MP-01-1     Lab Sample ID: 720-49996     MS     NS     NS       Cifient Sample ID: MP-01-1     Lab Sample ID: 720-49996     MS     NS     NS       Cifient Sample ID: MP-02     Lab Sample ID: 720-49996     MS     NS	Client Sample ID: MP-02-2						Lat	o Sample	D: 72	0-49998-1	
MS           Lab Sample ID: 720-4999i           No Detections.           Lab Sample ID: 720-4999i           No Detections.           Lab Sample ID: 720-4999i           Analyte         Lab Sample ID: 720-4999i           Analyte         Result Qualifier         RL         MD         Unit         Difere D         Method         Perp Typ           Tetrachioroethene         1.1         1.0         ug/L         2         BeoBICA_LUFT         Total/NA           Gasoline Range Organics (GRO)         100         RL         MDL         Unit         Lab Sample ID: 720-49996           Analyte         Result Qualifier         RL         MDL         Unit           Tetrachioroethene         1.0         ug/L         2         Result Qualifier         RL         MDL         Unit         Total/NA           Tetrachioroethene         1.6 <th colspan<="" td=""><td>Analyte</td><td>Result</td><td>Qualifier</td><td>RL</td><td>MDL</td><td>Unit</td><td>Dil Fac</td><td>D Method</td><td></td><td>Prep Type</td></th>	<td>Analyte</td> <td>Result</td> <td>Qualifier</td> <td>RL</td> <td>MDL</td> <td>Unit</td> <td>Dil Fac</td> <td>D Method</td> <td></td> <td>Prep Type</td>	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method		Prep Type
No Detections.         Lab Sample ID: MW-01         Lab Sample ID: 720-49998           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prep Typ           Tetrachloroethene         170         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           MS         Sacobine Range Organics (GRO)         100         R         100         ug/L         2         8260B/CA_LUFT         Total/NA           CJEIENt Sample ID: MP-01-1         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prep Typ           Client Sample ID: MP-01-1         Lab Sample ID: 720-49996         MS         MS         Sacobine CA_LUFT         Total/NA           Anayte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prep Typ           Cachoroethene         1.6         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Cistent Sample ID: MW-02         Result         Qualiffer         RL         MDL	Trichloroethene	0.77		0.50		ug/L	1		A_LUFT	Total/NA	
Client Sample ID: MW-01         Lab Sample ID: 720-49998           Analyte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prep Typ           Tetrachloroethene         170         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Gasoline Range Organics (GRO)         100         R         100         ug/L         2         8260B/CA_LUFT         Total/NA           Analyte         Result         Qualifier         RL         MDL         Unit         Dil Fac         0         Method         Prep Typ           Analyte         Result         Qualifier         RL         MDL         Unit         Dil Fac         0         Method         Prep Typ           Tetrachloroethene         1.6         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           MS         Trichloroethene         1.6         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Gasoline Range Organics (GRO)         120         R         100         ug/L         2         8260B/CA_LUFT         Total/NA           Client Sample ID: MW-02         Lab Sample ID: 720-499981         MS         MS	lient Sample ID: MP-02-3						Lai	o Sample	e ID: 72	0-49998-1	
AnalyteResultQualifierRLMDLUnitDil FacDMethodPrep TypTetrachloroethene1701.0ug/L28280B/CA_LUFTTotal/NATrichloroethene1.11.0ug/L28280B/CA_LUFTTotal/NAGasoline Range Organics (GRO)100R100ug/L28260B/CA_LUFTTotal/NA.co5-C12100ResultQualifierRLMDLUnitDil FacDMethodPrep TypAnalyteResultQualifierRLMDLUnitDil FacDMethodPrep TypTrichloroethene1901.0ug/L28260B/CA_LUFTTotal/NATrichloroethene1.61.0ug/L28260B/CA_LUFTTotal/NAGasoline Range Organics (GRO)120R100ug/L28260B/CA_LUFTTotal/NAGasoline Range Organics (GRO)120R100ug/L28260B/CA_LUFTTotal/NAStient Sample ID: MW-O2Linet Sample ID: MW-O2Linet Sample ID: T2O-499986AnalyteResultQualifierRLMDLUnitDil FacDMethodPrep Typcis-1,2-Dichloroethene2.00.50ug/L18260B/CA_LUFTTotal/NAMSTetrachloroethene2.00.50ug/L18260B/CA_LUFTTotal/NAMSGasoline Range Organics (GRO)51K50ug/L18260B/CA_LUFTTotal/NA	No Detections.										
Tetrachloroethene         170         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Trichloroethene         1.1         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Gasoline Range Organics (GRO)         100         R         100         ug/L         2         8260B/CA_LUFT         Total/NA           Analyte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prep Typ           Trichloroethene         1.6         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Analyte         Result         Qualifier         RL         MDL         Unit         Dil Fac         D         Method         Prep Typ           Trichloroethene         1.6         1.0         ug/L         2         8260B/CA_LUFT         Total/NA           Gasoline Range Organics (GRO)         120         R         100         ug/L         2         8260B/CA_LUFT         Total/NA           Client Sample ID: MW-02         Lab Sample ID: 720-49996         MS         260B/CA_LUFT         Total/NA         MS           Client Sample ID: MW-02         2.0         0.50         ug/L	Client Sample ID: MW-01						Lat	Sample	D: 72	0-49998-1	
Trichloroethene       1.1       1.0       ug/L       2       8260B/CA_LUFT       Total/NA         Gasoline Range Organics (GRO)       100       R       100       ug/L       2       8260B/CA_LUFT       Total/NA         Analyte       Result       Qualifier       RL       MDL       Unit       Dil Fac       D       Method       Prep Typ         Trichloroethene       190       1.0       ug/L       2       8260B/CA_LUFT       Total/NA         Trichloroethene       1.6       1.0       ug/L       2       8260B/CA_LUFT       Total/NA         Gasoline Range Organics (GRO)       120       R       100       ug/L       2       8260B/CA_LUFT       Total/NA         Gasoline Range Organics (GRO)       120       R       100       ug/L       2       8260B/CA_LUFT       Total/NA         OS-C12       2       8260B/CA_LUFT       Total/NA       MS       MS       MS       MS         Gasoline Range Organics (GRO)       120       R       100       ug/L       2       8260B/CA_LUFT       Total/NA         CS-C12       Cualifier       RL       MDL       Unit       Dil Fac       D       Method       Prep Typ         CS-C12 <td< td=""><td>Analyte</td><td>Result</td><td>Qualifier</td><td>RL</td><td>MDL</td><td>Unit</td><td>Dil Fac</td><td>D Method</td><td></td><td>Prep Type</td></td<>	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method		Prep Type	
Trichloroethene       1.1       1.0       ug/L       2       8260B/CA_LUFT       Total/NA         Gasoline Range Organics (GRO)       100       R       100       ug/L       2       8260B/CA_LUFT       Total/NA         Co5-C12       Co5-C12       Co5-C12       Co5-C12       Co5-C12       Co5-C12       Co5-C12       Total/NA         Co5-C12       Co5-C12 <t< td=""><td>Tetrachloroethene</td><td>170</td><td></td><td>1.0</td><td></td><td>ug/L</td><td>2</td><td></td><td>A_LUFT</td><td>Total/NA</td></t<>	Tetrachloroethene	170		1.0		ug/L	2		A_LUFT	Total/NA	
Cos-Crig     MS       Client Sample ID: MP-01-1     Lab Sample ID: 720-49998       Analyte     Result     Qualifier     RL     MDL     Unit     Dil Fac     D     Method     Prep Typ       Tetrachloroethene     190     1.0     ug/L     2     8260B/CA_LUFT     Total/NA       MS     Trichloroethene     1.6     1.0     ug/L     2     8260B/CA_LUFT     Total/NA       Gasoline Range Organics (GRO)     120     R     100     ug/L     2     8260B/CA_LUFT     Total/NA       MS     Cos-Crig     120     R     100     ug/L     2     8260B/CA_LUFT     Total/NA       MS     Signational Cost     120     R     100     ug/L     2     8260B/CA_LUFT     Total/NA       MS     Signational Cost     120     R     100     ug/L     2     8260B/CA_LUFT     Total/NA       MS     Signational Cost     Result     Qualifier     RL     MDL     Unit     Dil Fac     D     Method     Prep Typ       Analyte     Result     Qualifier     RL     MDL     Unit     Dil Fac     D     Method     Prep Typ       Cis-1.2-Dichloroethene     2.0     0.50     ug/L     1     8260B/CA_LUFT     Total/NA<	Trichloroethene	1.1		1.0		ug/L	2	8260B/C	A_LUFT	Total/NA	
AnalyteResultQualifierRLMDLUnitDil FacDMethodPrep TypTetrachloroethene1901.0ug/L2\$260B/CA_LUFTTotal/NATrichloroethene1.61.0ug/L2\$260B/CA_LUFTTotal/NAGasoline Range Organics (GRO)120R100ug/L2\$260B/CA_LUFTTotal/NAGasoline Range Organics (GRO)120R100ug/L2\$260B/CA_LUFTTotal/NAMSContract100ug/L2\$260B/CA_LUFTTotal/NAMSClient Sample ID: MW-02ResultQualifierRLMDLUnitDil FacDMethodPrep TypCis-1,2-Dichloroethene2.00.50ug/L1\$260B/CA_LUFTTotal/NAMSTetrachloroethene200.50ug/L1\$260B/CA_LUFTTotal/NAMSSacoline Range Organics (GRO)51K50ug/L1\$260B/CA_LUFTTotal/NA		100	R	100		ug/L	2		A_LUFT	Total/NA	
Tetrachloroethene1901.0ug/L28260B/CA_LUFTTotal/NA MSTrichloroethene1.61.0ug/L28260B/CA_LUFTTotal/NA MSGasoline Range Organics (GRO) -C5-C12120R100ug/L28260B/CA_LUFTTotal/NA MSClient Sample ID: MW-02Result 2.0QualifierRLMDLUnitDil FacDMethodPrep Typcis-1,2-Dichloroethene2.00.50ug/L18260B/CA_LUFTTotal/NA MSTetrachloroethene200.50ug/L18260B/CA_LUFTTotal/NA MSTetrachloroethene200.50ug/L18260B/CA_LUFTTotal/NA MSTrichloroethene260.50ug/L18260B/CA_LUFTTotal/NA MSGasoline Range Organics (GRO)51K50ug/L18260B/CA_LUFTTotal/NA MS	Client Sample ID: MP-01-1						Lak	Sample	D: 72	0-49998-1	
Trichloroethene1.61.0ug/L28260B/CA_LUFTTotal/NA MSGasoline Range Organics (GRO) -C5-C12120R100ug/L28260B/CA_LUFTTotal/NA MSClient Sample ID: MW-02Analyte cis-1,2-DichloroetheneResult 2.0QualifierRLMDLUnitDil Fac Ug/LDMethodPrep TypCis-1,2-Dichloroethene2.00.50ug/L18260B/CA_LUFTTotal/NA MSTetrachloroethene200.50ug/L18260B/CA_LUFTTotal/NA MSTrichloroethene260.50ug/L18260B/CA_LUFTTotal/NA MSGasoline Range Organics (GRO)51K50ug/L18260B/CA_LUFTTotal/NA MS	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method		Prep Type	
Gasoline Range Organics (GRO)120R100ug/L2S260B/CA_LUFT 8260B/CA_LUFTTotal/NA MSClient Sample ID: MW-02AnalyteResultQualifierRLMDLUnitDil FacDMethodPrep Typcis-1,2-Dichloroethene2.00.50ug/L18260B/CA_LUFTTotal/NA MSTetrachloroethene200.50ug/L18260B/CA_LUFTTotal/NA MSTrichloroethene260.50ug/L18260B/CA_LUFTTotal/NA MSGasoline Range Organics (GRO)51K50ug/L18260B/CA_LUFTTotal/NA	Tetrachloroethene	190		1.0		ug/L	2		A_LUFT	Total/NA	
Gasoline Range Organics (GRO)120R100ug/L28260B/CA_LUFTTotal/NAClient Sample ID: MW-02Lab Sample ID: 720-49998AnalyteResultQualifierRLMDLUnitDil FacDMethodPrep Typcis-1,2-Dichloroethene2.00.50ug/L18260B/CA_LUFTTotal/NATetrachloroethene200.50ug/L18260B/CA_LUFTTotal/NATrichloroethene260.50ug/L18260B/CA_LUFTTotal/NAMS360B/CA_LUFTTotal/NAMSNSNSGasoline Range Organics (GRO)51K50ug/L18260B/CA_LUFTTotal/NA	Trichloroethene	1.6		1.0		ug/L	2		A_LUFT	Total/NA	
AnalyteResultQualifierRLMDLUnitDil FacDMethodPrep Typcis-1,2-Dichloroethene2.00.50ug/L18260B/CA_LUFTTotal/NATetrachloroethene200.50ug/L18260B/CA_LUFTTotal/NATrichloroethene260.50ug/L18260B/CA_LUFTTotal/NAMSSNSNSNSNSNSGasoline Range Organics (GRO)51\$50ug/L18260B/CA_LUFTTotal/NA		120	R	100		ug/L	2	8260B/C	A_LUFT	Total/NA	
cis-1,2-Dichloroethene 2.0 0.50 ug/L 1 8260B/CA_LUFT Total/NA MS Tetrachloroethene 20 0.50 ug/L 1 8260B/CA_LUFT Total/NA MS Trichloroethene 26 0.50 ug/L 1 8260B/CA_LUFT Total/NA MS Gasoline Range Organics (GRO) 51 K 50 ug/L 1 8260B/CA_LUFT Total/NA	Client Sample ID: MW-02						Lat	Sample	D: 72	0-49998-1	
Tetrachloroethene     20     0.50     ug/L     1     8260B/CA_LUFT     Total/NA       Trichloroethene     26     0.50     ug/L     1     8260B/CA_LUFT     Total/NA       Gasoline Range Organics (GRO)     51 k     50     ug/L     1     8260B/CA_LUFT     Total/NA	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method		Prep Туре	
Trichloroethene 26 0.50 ug/L 1 8260B/CA_LUFT Total/NA MS Gasoline Range Organics (GRO) 51 R 50 ug/L 1 8260B/CA_LUFT Total/NA								MS			
Gasoline Range Organics (GRO) 51 K 50 ug/L 1 8260B/CA_LUFT Total/NA	Tetrachloroethene	20		0.50		ug/L	1		A_LUFT	Total/NA	
	Trichloroethene			0.50		ug/L	1		A_LUFT	Total/NA	
-65-612 MS	Gasoline Range Organics (GRO) -C5-C12	51	R	50		ug/L	1	8260B/C MS	A_LUFT	Total/NA	

This Detection Summary does not include radiochemical test results.

## **Detection Summary**

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-49998-1

Client Sample ID: MW-200 (Continued)
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Lab	Sam	ple	ID:	720-4	9998-15	5
Stein Brill, Brut	- MITTI	210	1	1 4 4		g

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Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	15		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	23		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Client Sample ID: MP-01-3						Lal	b S	ample ID: 72	0-49998-16
No Detections.									

Client Sample ID: TB052913-1

Lab Sample ID: 720-49998-17

No Detections.

This Detection Summary does not include radiochemical test results.

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: TB052913-2 Date Collected: 05/29/13 10:05								Matrix	c: Water
Date Received: 05/30/13 08:00									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			06/05/13 14:49	1
Acetone	ND		50		ug/L			06/05/13 14:49	1
Benzene	ND		0.50		ug/L			06/05/13 14:49	1
Dichlorobromomethane	ND		0.50		ug/L			06/05/13 14:49	1
Bromobenzene	ND		1.0		ug/L			06/05/13 14:49	1
Chlorobromomethane	ND		1.0		ug/L			06/05/13 14:49	1
Bromoform	ND		1.0		ug/L			06/05/13 14:49	1
Bromomethane	ND		1.0		ug/L			06/05/13 14:49	1
2-Butanone (MEK)	ND		50		ug/L			06/05/13 14:49	1
n-Butylbenzene	ND		1.0		ug/L			06/05/13 14:49	1
sec-Butylbenzene	ND		1.0		ug/L			06/05/13 14:49	1
ert-Butylbenzene	ND		1.0		ug/L			06/05/13 14:49	1
Carbon disulfide	ND		5.0		ug/L			06/05/13 14:49	1
Carbon tetrachloride	ND		0.50		ug/L			06/05/13 14:49	1
Chlorobenzene	ND		0.50		ug/L			06/05/13 14:49	1
Chloroethane	ND		1.0		ug/L			06/05/13 14:49	1
Chloroform	ND		1.0		ug/L			06/05/13 14:49	1
Chloromethane	ND		1.0		ug/L			06/05/13 14:49	1
2-Chlorotoluene	ND		0.50		ug/L			06/05/13 14:49	1
4-Chlorotoluene	ND		0.50		ug/L			06/05/13 14:49	1
Chlorodibromomethane	ND		0,50		ug/L			06/05/13 14:49	1
1.2-Dichlorobenzene	ND		0.50		ug/L			06/05/13 14:49	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/05/13 14:49	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/05/13 14:49	1
1,3-Dichloropropane	ND		1.0		ug/L			06/05/13 14:49	1
1,1-Dichloropropene	ND		0.50		ug/L			06/05/13 14:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/05/13 14:49	1
Ethylene Dibromide	ND		0,50		ug/L			06/05/13 14:49	1
Dibromomethane	ND		0.50		ug/L			06/05/13 14:49	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/05/13 14:49	1
1,1-Dichloroethane	ND		0.50		ug/L			06/05/13 14:49	1
1.2-Dichloroethane	ND		0.50		ug/L			06/05/13 14:49	1
1,1-Dichloroethene	ND		0.50		ug/L			06/05/13 14:49	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/05/13 14:49	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/05/13 14:49	1
1,2-Dichloropropane	ND		0.50		ug/L			06/05/13 14:49	1
	ND		0.50		ug/L			06/05/13 14:49	1
cis-1,3-Dichloropropene	ND		0.50					06/05/13 14:49	1
trans-1,3-Dichloropropene					ug/L			06/05/13 14:49	1
Ethylbenzene Hexachlorobutadiene	ND		0.50		ug/L				1
	ND		1.0		ug/L			06/05/13 14:49 06/05/13 14:49	1
2-Hexanone	ND		50		ug/L				
	ND		0.50		ug/L			06/05/13 14:49	1
4-Isopropyltoluene	ND		1.0		ug/L			06/05/13 14:49	1
Methylene Chloride	ND		5.0		ug/L			06/05/13 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			06/05/13 14:49	1
Naphthalene	ND		1.0		ug/L			06/05/13 14:49	1
N-Propylbenzene	ND		1.0		ug/L			06/05/13 14:49	1
Styrene	ND		0.50		ug/L			06/05/13 14:49	1

TestAmerica Job ID: 720-49998-1

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Date Collected: 05/29/13 10:05								Matrix	x: Water
Date Received: 05/30/13 08:00							÷.		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/05/13 14:49	1
Tetrachloroethene	ND		0.50		ug/L			06/05/13 14:49	1
Toluene	ND		0.50		ug/L			06/05/13 14:49	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/05/13 14:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/05/13 14:49	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/05/13 14:49	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/05/13 14:49	1
Trichloroethene	ND		0.50		ug/L			06/05/13 14:49	1
Trichlorofluoromethane	ND		1.0		ug/L			06/05/13 14:49	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/05/13 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/05/13 14:49	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			06/05/13 14:49	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/05/13 14:49	1
Vinyl acetate	ND		10		ug/L			06/05/13 14:49	1
Vinyl chloride	ND		0.50		ug/L			06/05/13 14:49	1
Xylenes, Total	ND		1.0		ug/L			06/05/13 14:49	1
2,2-Dichloropropane	ND	*	0.50		ug/L			06/05/13 14:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/05/13 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130		06/05/13 14:49	İ
1,2-Dichloroethane-d4 (Surr)	116		75 - 138		06/05/13 14:49	1
Toluene-d8 (Surr)	102		70 - 130		06/05/13 14:49	1

#### Client Sample ID: MW-03

#### Date Collected: 05/29/13 10:35

Date	Received.	05/30/13	08.00

Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	quantor	0.50		ug/L		Toparoa	05/31/13 15:50	1
Acetone	ND		50		ug/L			05/31/13 15:50	1
Benzene	ND		0.50		ug/L			05/31/13 15:50	1
Dichlorobromomethane	ND		0.50		ug/L			05/31/13 15:50	1
Bromobenzene	ND		1.0		ug/L			05/31/13 15:50	1
Chlorobromomethane	ND		1.0		ug/L			05/31/13 15:50	1
Bromoform	ND		1.0		ug/L			05/31/13 15:50	1
Bromomethane	ND		1.0		ug/L			05/31/13 15:50	1
2-Butanone (MEK)	ND		50		ug/L			05/31/13 15:50	1
n-Butylbenzene	ND		1.0		ug/L			05/31/13 15:50	1
sec-Butylbenzene	ND		1.0		ug/L			05/31/13 15:50	1
tert-Butylbenzene	ND		1.0		ug/L			05/31/13 15:50	1
Carbon disulfide	ND		5.0		ug/L			05/31/13 15:50	1
Carbon tetrachloride	ND		0.50		ug/L			05/31/13 15:50	1
Chlorobenzene	ND		0.50		ug/L			05/31/13 15:50	1
Chloroethane	ND		1.0		ug/L			05/31/13 15:50	1
Chloroform	ND		1.0		ug/L			05/31/13 15:50	1
Chloromethane	ND		1.0		ug/L			05/31/13 15:50	1
2-Chlorotoluene	ND		0.50		ug/L			05/31/13 15:50	1
4-Chlorotoluene	ND		0.50		ug/L			05/31/13 15:50	1
Chlorodibromomethane	ND		0.50		ug/L			05/31/13 15:50	1

TestAmerica Pleasanton

Lab Sample ID: 720-49998-2

Matrix: Water

TestAmerica Job ID: 720-49998-1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-03 Date Collected: 05/29/13 10:35						Lab	Sample ID: 720- Matri	49998-2 x: Water
Date Received: 05/30/13 08:00			-					
Analyte		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.86		0.50	ug/L			05/31/13 15:50	1
1,3-Dichlorobenzene	ND		0.50	ug/L			05/31/13 15:50	1
1,4-Dichlorobenzene	ND		0.50	ug/L			05/31/13 15:50	1
1,3-Dichloropropane	ND		1.0	ug/L			05/31/13 15:50	1
1,1-Dichloropropene	ND		0.50	ug/L			05/31/13 15:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			05/31/13 15:50	1
Ethylene Dibromide	ND		0.50	ug/L			05/31/13 15:50	1
Dibromomethane	ND		0.50	ug/L			05/31/13 15:50	
Dichlorodifluoromethane	ND		0.50	ug/L			05/31/13 15:50	1
1,1-Dichloroethane	ND		0.50	ug/L			05/31/13 15:50	1
1,2-Dichloroethane	ND		0.50	ug/L			05/31/13 15:50	1
1,1-Dichloroethene	ND		0.50	ug/L			05/31/13 15:50	1
cis-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 15:50	1
trans-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 15:50	1
1,2-Dichloropropane	ND		0.50	ug/L			05/31/13 15:50	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 15:50	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 15:50	1
Ethylbenzene	ND		0.50	ug/L			05/31/13 15:50	1
Hexachlorobutadiene	ND		1.0	ug/L			05/31/13 15:50	1
2-Hexanone	ND		50	ug/L			05/31/13 15:50	1
lsopropylbenzene	ND		0.50	ug/L			05/31/13 15:50	1
4-IsopropyItoluene	ND		1.0	ug/L			05/31/13 15:50	1
Methylene Chloride	ND		5.0	ug/L			05/31/13 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		50	ug/L			05/31/13 15:50	1
Naphthalene	ND		1.0	ug/L			05/31/13 15:50	1
N-Propylbenzene	ND		1.0	ug/L			05/31/13 15:50	1
Styrene	ND		0.50	ug/L			05/31/13 15:50	1
1,1,1,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 15:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 15:50	1
Tetrachloroethene	7.5		0.50	ug/L			05/31/13 15:50	1
Toluene	ND		0.50	ug/L			05/31/13 15:50	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			05/31/13 15:50	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			05/31/13 15:50	1
1,1,1-Trichloroethane	ND		0.50	ug/L			05/31/13 15:50	1
1,1,2-Trichloroethane	ND		0.50	ug/L			05/31/13 15:50	1
Trichloroethene	0.85		0.50	ug/L			05/31/13 15:50	1
Trichlorofluoromethane	ND		1.0	ug/L			05/31/13 15:50	1
1,2,3-Trichloropropane	ND		0.50	ug/L			05/31/13 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	ug/L			05/31/13 15:50	1
1,2,4-Trimethylbenzene	ND		0.50	ug/L			05/31/13 15:50	1
1,3,5-Trimethylbenzene	ND		0.50	ug/L			05/31/13 15:50	1
Vinyl acetate	ND		10	ug/L			05/31/13 15:50	1
Vinyl chloride	ND		0.50	ug/L			05/31/13 15:50	1
Xylenes, Total	ND		1.0	ug/L			05/31/13 15:50	1
2,2-Dichloropropane	ND		0.50	ug/L			05/31/13 15:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		50	ug/L			05/31/13 15:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Lab Sample ID: 720-49998-2

Matrix: Water

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Client Sample ID: MW-03 Date Collected: 05/29/13 10:35 Date Received: 05/30/13 08:00

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 138				05/31/13 15:50	1
Toluene-d8 (Surr)	99		70 - 130				05/31/13 15:50	1
Client Sample ID: MP-03-3						lah	Sample ID: 720-	49998-3
Date Collected: 05/29/13 12:35						Lab		k: Water
Date Received: 05/30/13 08:00							Ind Li 12	A. WALCI
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	ug/L			05/31/13 16:16	1
Acetone	ND		50	ug/L			05/31/13 16:16	1
Benzene	ND		0.50	ug/L			05/31/13 16:16	1
Dichlorobromomethane	ND		0.50	ug/L			05/31/13 16:16	1
Bromobenzene	ND		1.0	ug/L			05/31/13 16:16	1
Chlorobromomethane	ND		1.0	ug/L			05/31/13 16:16	1
Bromoform	ND		1.0	ug/L			05/31/13 16:16	1
Bromomethane	ND		1.0	ug/L			05/31/13 16:16	1
2-Butanone (MEK)	ND		50	ug/L			05/31/13 16:16	1
n-Butylbenzene	ND		1.0	ug/L			05/31/13 16:16	1
sec-Butylbenzene	ND		1.0	ug/L			05/31/13 16:16	1
tert-Butylbenzene	ND		1.0	ug/L			05/31/13 16:16	1
Carbon disulfide	ND		5.0	ug/L			05/31/13 16:16	1
Carbon tetrachloride	ND		0.50	ug/L			05/31/13 16:16	1
Chlorobenzene	ND		0.50	ug/L			05/31/13 16:16	1
Chloroethane	ND		1.0	ug/L			05/31/13 16:16	1
Chloroform	ND		1.0	ug/L			05/31/13 16:16	1
Chloromethane	ND		1.0	ug/L			05/31/13 16:16	1
2-Chlorotoluene	ND		0.50	ug/L			05/31/13 16:16	1
4-Chlorotoluene	ND		0.50	ug/L			05/31/13 16:16	1
Chlorodibromomethane	ND		0.50	ug/L			05/31/13 16:16	1
1,2-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:16	1
1,3-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:16	1
1,4-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:16	1
1,3-Dichloropropane	ND		1.0	ug/L			05/31/13 16:16	1
1,1-Dichloropropene	ND		0.50	ug/L			05/31/13 16:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			05/31/13 16:16	1
Ethylene Dibromide	ND		0.50	ug/L			05/31/13 16:16	1
Dibromomethane	ND		0.50	ug/L			05/31/13 16:16	1
Dichlorodifluoromethane	ND		0.50	ug/L			05/31/13 16:16	1
1,1-Dichloroethane	ND		0.50	ug/L			05/31/13 16:16	. 1
1,2-Dichloroethane	ND		0.50	ug/L			05/31/13 16:16	1
1,1-Dichloroethene	ND		0.50	ug/L			05/31/13 16:16	1
cis-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 16:16	1
trans-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 16:16	1
1,2-Dichloropropane	ND		0.50	ug/L			05/31/13 16:16	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 16:16	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 16:16	1
Ethylbenzene	ND		0.50	ug/L			05/31/13 16:16	1
Hexachlorobutadiene	ND		1.0	ug/L			05/31/13 16:16	1
2-Hexanone	ND		50	ug/L			05/31/13 16:16	1
Isopropylbenzene	ND		0.50	ug/L			05/31/13 16:16	1

TestAmerica Job ID: 720-49998-1

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-03-3 Date Collected: 05/29/13 12:35							Lab	Sample ID: 720- Matrix	49998-3 c: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.0	-	ug/L			05/31/13 16:16	1
Methylene Chloride	ND		5.0		ug/L			05/31/13 16:16	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			05/31/13 16:16	1
Naphthalene	ND		1.0		ug/L			05/31/13 16:16	1
N-Propylbenzene	ND		1.0		ug/L			05/31/13 16:16	1
Styrene	ND		0.50		ug/L			05/31/13 16:16	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 16:16	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 16:16	1
Tetrachloroethene	ND		0.50		ug/L			05/31/13 16:16	1
Toluene	ND		0.50		ug/L			05/31/13 16:16	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 16:16	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 16:16	1
1,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 16:16	1
1,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 16:16	1
Trichloroethene	ND		0.50		ug/L			05/31/13 16:16	1
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 16:16	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 16:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 16:16	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 16:16	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 16:16	1
Vinyl acetate	ND		10		ug/L			05/31/13 16:16	1
Vinyl chloride	ND		0.50		ug/L			05/31/13 16:16	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 16:16	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 16:16	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/31/13 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		67 - 130					05/31/13 16:16	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 138					05/31/13 16:16	1
Toluene-d8 (Surr)	101		70 - 130					05/31/13 16:16	1

Client Sample ID: MP-03-1

Date Collected: 05/29/13 13:00

Date Received: 05/30/13 08:00 RL MDL Unit D Prepared Analyzed Dil Fac **Result Qualifier** Analyte ug/L 05/31/13 16:42 1 ND 0.50 Methyl tert-butyl ether 05/31/13 16:42 1 ND 50 ug/L Acetone 05/31/13 16:42 ND 0.50 ug/L 1 Benzene 05/31/13 16:42 1 ND 0.50 ug/L Dichlorobromomethane 05/31/13 16:42 1 1.0 ug/L Bromobenzene ND 05/31/13 16:42 1 Chlorobromomethane ND 1.0 ug/L ND 1.0 ug/L 05/31/13 16:42 1 Bromoform 05/31/13 16:42 1 ND 1.0 ug/L Bromomethane 05/31/13 16:42 1 2-Butanone (MEK) ND 50 ug/L n-Butylbenzene ND 1.0 ug/L 05/31/13 16:42 1 1.0 05/31/13 16:42 1 sec-Butylbenzene ND ug/L 05/31/13 16:42 1 tert-Butylbenzene ND 1.0 ug/L Carbon disulfide ND 5.0 ug/L 05/31/13 16:42 1 Carbon tetrachloride ND 0.50 ug/L 05/31/13 16:42 1

TestAmerica Pleasanton

Lab Sample ID: 720-49998-4

Matrix: Water

TestAmerica Job ID: 720-49998-1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-03-1 Date Collected: 05/29/13 13:00			0			Lab	Sample ID: 720- Matri	49998-4 x: Water
Date Received: 05/30/13 08:00	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.50	ug/L			05/31/13 16:42	1
Chloroethane	ND		1.0	ug/L			05/31/13 16:42	1
Chloroform	ND		1.0	ug/L			05/31/13 16:42	1
hloromethane	ND		1.0	ug/L			05/31/13 16:42	1
-Chlorotoluene	ND		0.50	ug/L			05/31/13 16:42	1
Chlorotoluene	ND		0.50	ug/L			05/31/13 16:42	1
hlorodibromomethane	ND		0.50	ug/L			05/31/13 16:42	1
,2-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:42	1
3-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:42	1
4-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:42	1
3-Dichloropropane	ND		1.0	ug/L			05/31/13 16:42	1
1-Dichloropropene	ND		0.50	ug/L			05/31/13 16:42	1
2-Dibromo-3-Chloropropane	ND		1.0	ug/L			05/31/13 16:42	1
thylene Dibromide	ND		0.50	ug/L			05/31/13 16:42	1
ibromomethane	ND		0.50	ug/L			05/31/13 16:42	1
ichlorodifluoromethane	ND		0.50	ug/L			05/31/13 16:42	1
1-Dichloroethane	ND		0.50	ug/L			05/31/13 16:42	1
2-Dichloroethane	ND		0.50	ug/L			05/31/13 16:42	1
1-Dichloroethene	ND		0.50	ug/L			05/31/13 16:42	1
s-1,2-Dichloroethene	0.55		0.50	ug/L			05/31/13 16:42	1
ans-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 16:42	1
2-Dichloropropane	ND		0.50	ug/L			05/31/13 16:42	1
s-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 16:42	1
ans-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 16:42	1
hylbenzene	ND		0.50	ug/L			05/31/13 16:42	1
exachlorobutadiene	ND		1.0	ug/L			05/31/13 16:42	1
Hexanone	ND		50	ug/L			05/31/13 16:42	1
opropylbenzene	ND		0.50	ug/L			05/31/13 16:42	1
Isopropyltoluene	ND		1.0	ug/L			05/31/13 16:42	1
ethylene Chloride	ND		5.0	ug/L			05/31/13 16:42	1
Methyl-2-pentanone (MIBK)	ND		50	ug/L			05/31/13 16:42	1
aphthalene	ND		1.0	ug/L			05/31/13 16:42	1
-Propylbenzene	ND		1.0	ug/L			05/31/13 16:42	1
tyrene	ND		0.50	ug/L			05/31/13 16:42	1
1,1,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 16:42	1
1,2,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 16:42	1
etrachloroethene	170		0.50	ug/L			05/31/13 16:42	1
bluene	ND		0.50	ug/L			05/31/13 16:42	1
2,3-Trichlorobenzene	ND		1.0	ug/L			05/31/13 16:42	1
2,4-Trichlorobenzene	ND		1.0	ug/L			05/31/13 16:42	1
1,1-Trichloroethane	ND		0.50	ug/L			05/31/13 16:42	1
1,2-Trichloroethane	ND		0.50	ug/L			05/31/13 16:42	1
ichloroethene	13		0.50	ug/L			05/31/13 16:42	1
ichlorofluoromethane	ND		1.0	ug/L			05/31/13 16:42	1
2,3-Trichloropropane	ND		0.50	ug/L			05/31/13 16:42	1
1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	ug/L			05/31/13 16:42	1
2,4-Trimethylbenzene	ND		0.50	ug/L			05/31/13 16:42	1
3,5-Trimethylbenzene	ND		0.50	ug/L			05/31/13 16:42	1
inyl acetate	ND		10	ug/L			05/31/13 16:42	1

Lab Sample ID: 720-49998-5

Matrix: Water

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-03-1 Date Collected: 05/29/13 13:00							Lab	Sample ID: 720- Matri:	-49998-4 x: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	quanner	0.50	mbe	ug/L		Trepared	05/31/13 16:42	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 16:42	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 16:42	1
Gasoline Range Organics (GRO) -C5-C12	140	R	50		ug/L			05/31/13 16:42	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89	67 - 130		05/31/13 16:42	1
1,2-Dichloroethane-d4 (Surr)	95	75 - 138		05/31/13 16:42	1
Toluene-d8 (Surr)	102	70 - 130		05/31/13 16:42	1

Client Sample ID: MP-04-2

E

Date Received: 05/30/13 08:00			100		1.00		
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50	ug/L			05/31/13 15:52	1
Acetone	ND	50	ug/L			05/31/13 15:52	1
Benzene	ND	0.50	ug/L			05/31/13 15:52	1
Dichlorobromomethane	ND	0.50	ug/L			05/31/13 15:52	1
Bromobenzene	ND	1.0	ug/L			05/31/13 15:52	1
Chlorobromomethane	ND	1.0	ug/L			05/31/13 15:52	1
Bromoform	ND	1.0	ug/L			05/31/13 15:52	1
Bromomethane	ND	1.0	ug/L			05/31/13 15:52	1
2-Butanone (MEK)	ND	50	ug/L			05/31/13 15:52	1
n-Butylbenzene	ND	1.0	ug/L			05/31/13 15:52	1
sec-Butylbenzene	ND	1.0	ug/L			05/31/13 15:52	1
tert-Butylbenzene	ND	1.0	ug/L			05/31/13 15:52	1
Carbon disulfide	ND	5.0	ug/L			05/31/13 15:52	1
Carbon tetrachloride	ND	0.50	ug/L			05/31/13 15:52	1
Chlorobenzene	ND	0.50	ug/L			05/31/13 15:52	1
Chloroethane	ND	1.0	ug/L			05/31/13 15:52	1
Chloroform	ND	1.0	ug/L			05/31/13 15:52	1
Chloromethane	ND	1.0	ug/L			05/31/13 15:52	1
2-Chlorotoluene	ND	0.50	ug/L			05/31/13 15:52	1
4-Chlorotoluene	ND	0.50	ug/L			05/31/13 15:52	1
Chlorodibromomethane	ND	0.50	ug/L			05/31/13 15:52	1
1,2-Dichlorobenzene	ND	0.50	ug/L			05/31/13 15:52	1
1,3-Dichlorobenzene	ND	0.50	ug/L			05/31/13 15:52	1
1,4-Dichlorobenzene	ND	0.50	ug/L			05/31/13 15:52	1
1,3-Dichloropropane	ND	1.0	ug/L			05/31/13 15:52	1
1,1-Dichloropropene	ND	0.50	ug/L			05/31/13 15:52	1
1,2-Dibromo-3-Chloropropane	ND	1.0	ug/L			05/31/13 15:52	1
Ethylene Dibromide	ND	0.50	ug/L			05/31/13 15:52	1
Dibromomethane	ND	0.50	ug/L			05/31/13 15:52	1
Dichlorodifluoromethane	ND	0.50	ug/L			05/31/13 15:52	1
1,1-Dichloroethane	ND	0.50	ug/L			05/31/13 15:52	1
1,2-Dichloroethane	ND	0.50	ug/L			05/31/13 15:52	1
1,1-Dichloroethene	ND	0.50	ug/L			05/31/13 15:52	1
cis-1,2-Dichloroethene	ND	0.50	ug/L			05/31/13 15:52	1
trans-1,2-Dichloroethene	ND	0.50	ug/L			05/31/13 15:52	1

Date Collected: 05/29/13 13:40

Dichlorobromomethane

Chlorobromomethane

Bromobenzene

Bromoform

TestAmerica Job ID: 720-49998-1

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## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-04-2 Date Collected: 05/29/13 13:40							Lab	Sample ID: 720- Matri	-49998-5 x: Water
Date Received: 05/30/13 08:00									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.50		ug/L			05/31/13 15:52	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 15:52	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 15:52	1
Ethylbenzene	ND		0.50		ug/L			05/31/13 15:52	1
Hexachlorobutadiene	ND		1.0		ug/L			05/31/13 15:52	1
2-Hexanone	ND		50		ug/L			05/31/13 15:52	1
Isopropylbenzene	ND		0.50		ug/L			05/31/13 15:52	1
4-Isopropyltoluene	ND		1.0		ug/L			05/31/13 15:52	1
Methylene Chloride	ND		5.0		ug/L			05/31/13 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			05/31/13 15:52	1
Naphthalene	ND		1.0		ug/L			05/31/13 15:52	1
N-Propylbenzene	ND		1.0		ug/L			05/31/13 15:52	1
Styrene	ND		0.50		ug/L			05/31/13 15:52	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 15:52	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 15:52	1
Tetrachloroethene	ND		0.50		ug/L			05/31/13 15:52	1
Toluene	ND		0.50		ug/L			05/31/13 15:52	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 15:52	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 15:52	1
1,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 15:52	1
1,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 15:52	1
Trichloroethene	ND		0.50		ug/L			05/31/13 15:52	1
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 15:52	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 15:52	1
	ND		0.50		-				
1,1,2-Trichloro-1,2,2-trifluoroethane					ug/L			05/31/13 15:52	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 15:52	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 15:52	1
Vinyl acetate	ND		10		ug/L			05/31/13 15:52	1
Vinyl chloride	ND		0.50		ug/L			05/31/13 15:52	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 15:52	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 15:52	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/31/13 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		67 - 130					05/31/13 15:52	1
1,2-Dichloroethane-d4 (Surr)	117		75 - 138					05/31/13 15:52	1
Toluene-d8 (Surr)	105		70 - 130					05/31/13 15:52	1
Client Sample ID: MP-04-1							Lab	Sample ID: 720-	49998-6
Date Collected: 05/29/13 13:55		34						Matrix	x: Water
Date Received: 05/30/13 08:00									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			05/31/13 16:20	1
Acetone	ND		50		ug/L			05/31/13 16:20	1
Benzene	ND		0.50		ug/L			05/31/13 16:20	1

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05/31/13 16:20

05/31/13 16:20

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05/31/13 16:20

0.50

1.0

1.0

1.0

ug/L

ug/L

ug/L

ug/L

ND

ND

ND

ND

1

1

1

1

TestAmerica Job ID: 720-49998-1

## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-04-1						Lap	Sample ID: 720-	49998-6 x: Water
Date Collected: 05/29/13 13:55 Date Received: 05/30/13 08:00							Iviatri.	x: vvater
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	ug/L			05/31/13 16:20	1
2-Butanone (MEK)	ND		50	ug/L			05/31/13 16:20	1
n-Butylbenzene	ND		1.0	ug/L			05/31/13 16:20	1
sec-Butylbenzene	ND		1.0	ug/L			05/31/13 16:20	1
tert-Butylbenzene	ND		1.0	ug/L			05/31/13 16:20	1
Carbon disulfide	ND		5.0	ug/L			05/31/13 16:20	1
Carbon tetrachloride	ND		0.50	ug/L			05/31/13 16:20	1
Chlorobenzene	ND		0.50	ug/L			05/31/13 16:20	1
Chloroethane	ND		1.0	ug/L			05/31/13 16:20	1
Chloroform	ND		1.0	ug/L			05/31/13 16:20	1
Chloromethane	ND		1.0	ug/L	2		05/31/13 16:20	1
2-Chlorotoluene	ND		0.50	ug/L			05/31/13 16:20	1
4-Chlorotoluene	ND		0.50	ug/L			05/31/13 16:20	1
Chlorodibromomethane	ND		0.50	ug/L			05/31/13 16:20	1
1,2-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:20	1
1.3-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:20	1
1,4-Dichlorobenzene	ND		0.50	ug/L			05/31/13 16:20	1
	ND		1.0				05/31/13 16:20	1
1,3-Dichloropropane	ND		0.50	ug/L			05/31/13 16:20	1
1,1-Dichloropropene	ND		1.0	ug/L			05/31/13 16:20	1
1,2-Dibromo-3-Chloropropane				ug/L				1
Ethylene Dibromide	ND		0.50	ug/L			05/31/13 16:20	1
Dibromomethane	ND		0.50	ug/L			05/31/13 16:20	
Dichlorodifluoromethane	ND		0.50	ug/L			05/31/13 16:20	1
1,1-Dichloroethane	ND		0.50	ug/L			05/31/13 16:20	1
1,2-Dichloroethane	ND		0.50	ug/L			05/31/13 16:20	1
1,1-Dichloroethene	ND		0.50	ug/L			05/31/13 16:20	1
cis-1,2-Dichloroethene	0.67		0.50	ug/L			05/31/13 16:20	1
rans-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 16:20	1
1,2-Dichloropropane	ND		0.50	ug/L			05/31/13 16:20	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 16:20	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 16:20	1
Ethylbenzene	ND		0.50	ug/L			05/31/13 16:20	1
Hexachlorobutadiene	ND		1.0	ug/L			05/31/13 16:20	1
2-Hexanone	ND		50	ug/L			05/31/13 16:20	1
lsopropylbenzene	ND		0.50	ug/L			05/31/13 16:20	1
4-Isopropyltoluene	ND		1.0	ug/L			05/31/13 16:20	1
Methylene Chloride	ND		5.0	ug/L			05/31/13 16:20	1
4-Methyl-2-pentanone (MIBK)	ND		50	ug/L			05/31/13 16:20	1
Naphthalene	ND		1.0	ug/L			05/31/13 16:20	1
N-Propylbenzene	ND		1.0	ug/L			05/31/13 16:20	1
Styrene	ND		0.50	ug/L			05/31/13 16:20	1
1,1,1,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 16:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 16:20	1
Tetrachloroethene	26		0.50	ug/L			05/31/13 16:20	1
Toluene	ND		0.50	ug/L			05/31/13 16:20	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			05/31/13 16:20	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			05/31/13 16:20	1
1,1,1-Trichloroethane	ND		0.50	ug/L			05/31/13 16:20	1
1,1,2-Trichloroethane	ND		0.50	ug/L			05/31/13 16:20	1

Client Sample ID: MP-04-3

Date Collected: 05/29/13 14:05

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-04-1 Date Collected: 05/29/13 13:55							Lab	Sample ID: 720- Matrix	49998-6 <: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	13		0.50		ug/L			05/31/13 16:20	ī
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 16:20	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 16:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 16:20	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 16:20	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 16:20	1
Vinyl acetate	ND		10		ug/L			05/31/13 16:20	1
Vinyl chloride	ND		0.50		ug/L			05/31/13 16:20	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 16:20	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 16:20	1
Gasoline Range Organics (GRO) -C5-C12	52	R	50		ug/L			05/31/13 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130					05/31/13 16:20	1
1,2-Dichloroethane-d4 (Surr)	117		75 - 138					05/31/13 16:20	1
Toluene-d8 (Surr)	105		70 - 130					05/31/13 16:20	1

#### Lab Sample ID: 720-49998-7 Matrix: Water

Date Received: 05/30/13 08:00							initia ti ta	A. Water
Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50		ug/L			06/03/13 11:31	1
Acetone	ND	50		ug/L			06/03/13 11:31	1
Benzene	ND	0.50		ug/L			06/03/13 11:31	1
Dichlorobromomethane	ND	0.50		ug/L			06/03/13 11:31	1
Bromobenzene	ND	1.0		ug/L			06/03/13 11:31	1
Chlorobromomethane	ND	1.0		ug/L			06/03/13 11:31	1
Bromoform	ND	1.0		ug/L			06/03/13 11:31	1
Bromomethane	ND	1.0		ug/L			06/03/13 11:31	1
2-Butanone (MEK)	ND	50		ug/L			06/03/13 11:31	1
n-Butylbenzene	ND	1.0		ug/L			06/03/13 11:31	1
sec-Butylbenzene	ND	1.0		ug/L			06/03/13 11:31	1
tert-Butylbenzene	ND	1.0		ug/L			06/03/13 11:31	1
Carbon disulfide	ND	5.0		ug/L			06/03/13 11:31	1
Carbon tetrachloride	ND	0.50		ug/L			06/03/13 11:31	1
Chlorobenzene	ND	0.50		ug/L			06/03/13 11:31	1
Chloroethane	ND	1.0		ug/L			06/03/13 11:31	1
Chloroform	ND	1.0		ug/L			06/03/13 11:31	1
Chloromethane	ND	1.0		ug/L			06/03/13 11:31	1
2-Chlorotoluene	ND	0.50		ug/L			06/03/13 11:31	1
4-Chlorotoluene	ND	0.50		ug/L			06/03/13 11:31	1
Chlorodibromomethane	ND	0.50		ug/L			06/03/13 11:31	1
1,2-Dichlorobenzene	ND	0.50		ug/L			06/03/13 11:31	1
1,3-Dichlorobenzene	ND	0.50		ug/L			06/03/13 11:31	1
1,4-Dichlorobenzene	ND	0.50		ug/L			06/03/13 11:31	1
1,3-Dichloropropane	ND	1.0		ug/L			06/03/13 11:31	1
1,1-Dichloropropene	ND	0.50		ug/L			06/03/13 11:31	1
1,2-Dibromo-3-Chloropropane	ND	1.0		ug/L			06/03/13 11:31	1
Ethylene Dibromide	ND	0.50		ug/L			06/03/13 11:31	1

TestAmerica Job ID: 720-49998-1

## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-04-3 Date Collected: 05/29/13 14:05								Sample ID: 720- Matri	x: Water
Date Received: 05/30/13 08:00									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.50		ug/L			06/03/13 11:31	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/03/13 11:31	1
1,1-Dichloroethane	ND		0.50		ug/L			06/03/13 11:31	1
1,2-Dichloroethane	ND		0.50		ug/L			06/03/13 11:31	1
1,1-Dichloroethene	ND		0.50		ug/L			06/03/13 11:31	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/03/13 11:31	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/03/13 11:31	1
1,2-Dichloropropane	ND		0.50		ug/L			06/03/13 11:31	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/03/13 11:31	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/03/13 11:31	1
Ethylbenzene	ND		0.50		ug/L			06/03/13 11:31	1
Hexachlorobutadiene	ND		1.0		ug/L			06/03/13 11:31	1
2-Hexanone	ND		50		ug/L			06/03/13 11:31	1
lsopropylbenzene	ND		0.50		ug/L			06/03/13 11:31	1
4-Isopropyltoluene	ND		1.0		ug/L			06/03/13 11:31	1
Methylene Chloride	ND		5.0		ug/L			06/03/13 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			06/03/13 11:31	1
Naphthalene	ND	*	1.0		ug/L			06/03/13 11:31	1
N-Propylbenzene	ND		1.0		ug/L			06/03/13 11:31	1
Styrene	ND		0.50		ug/L			06/03/13 11:31	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 11:31	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 11:31	1
Tetrachloroethene	ND		0.50		ug/L			06/03/13 11:31	1
Toluene	ND		0.50		ug/L			06/03/13 11:31	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/03/13 11:31	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/03/13 11:31	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/03/13 11:31	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/03/13 11:31	1
Trichloroethene	ND		0.50		ug/L			06/03/13 11:31	1
Trichlorofluoromethane	ND		1.0		ug/L			06/03/13 11:31	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/03/13 11:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/03/13 11:31	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			06/03/13 11:31	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/03/13 11:31	1
Vinyl acetate	ND		10		ug/L			06/03/13 11:31	1
Vinyl chloride	ND		0.50					06/03/13 11:31	1
Xylenes, Total	ND		1.0		ug/L			06/03/13 11:31	1
	ND		0.50		ug/L ug/L			06/03/13 11:31	1
2,2-Dichloropropane	ND		50					06/03/13 11:31	1
Gasoline Range Organics (GRO) C5-C12	UN		50		ug/L			00/03/13 11.31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		67 - 130					06/03/13 11:31	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 138					06/03/13 11:31	1

TestAmerica Job ID: 720-49998-1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-01-2 Date Collected: 05/29/13 13:50				Lab	Sample ID: 720 Matri	-49998-8 x: Water
Date Received: 05/30/13 08:00				(ac) and the state		
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
lethyl tert-butyl ether	ND	0.50	ug/L		05/31/13 16:48	1
cetone	ND	50	ug/L		05/31/13 16:48	1
enzene	ND	0.50	ug/L		05/31/13 16:48	1
ichlorobromomethane	ND	0.50	ug/L		05/31/13 16:48	1
romobenzene	ND	1.0	ug/L		05/31/13 16:48	1
hlorobromomethane	ND	1.0	ug/L		05/31/13 16:48	1
romoform	ND	1.0	ug/L		05/31/13 16:48	<ul> <li>1</li> </ul>
romomethane	ND	1.0	ug/L		05/31/13 16:48	1
Butanone (MEK)	ND	50	ug/L		05/31/13 16:48	1
Butylbenzene	ND	1.0	ug/L		05/31/13 16:48	1
c-Butylbenzene	ND	1.0	ug/L		05/31/13 16:48	1
rt-Butylbenzene	ND	1.0	ug/L		05/31/13 16:48	1
arbon disulfide	ND	5.0	ug/L		05/31/13 16:48	1
arbon tetrachloride	ND	0.50	ug/L		05/31/13 16:48	1
hlorobenzene	ND	0.50	ug/L		05/31/13 16:48	1
hloroethane	ND	1.0	ug/L		05/31/13 16:48	1
hloroform	ND	1.0	ug/L		05/31/13 16:48	1
hloromethane	ND	1.0	ug/L		05/31/13 16:48	1
Chlorotoluene	ND	0.50	ug/L		05/31/13 16:48	1
Chlorotoluene	ND	0.50	ug/L		05/31/13 16:48	1
nlorodibromomethane	ND	0.50	ug/L		05/31/13 16:48	1
2-Dichlorobenzene	ND	0.50	ug/L		05/31/13 16:48	1
3-Dichlorobenzene	ND	0.50	ug/L		05/31/13 16:48	1
4-Dichlorobenzene	ND	0.50	ug/L		05/31/13 16:48	1
3-Dichloropropane	ND	1.0	ug/L		05/31/13 16:48	1
1-Dichloropropene	ND	0.50	ug/L		05/31/13 16:48	1
2-Dibromo-3-Chloropropane	ND	1.0	ug/L		05/31/13 16:48	1
hylene Dibromide	ND	0.50	ug/L		05/31/13 16:48	1
bromomethane	ND	0.50	ug/L		05/31/13 16:48	1
chlorodifluoromethane	ND	0.50	ug/L		05/31/13 16:48	1
1-Dichloroethane	ND	0.50	ug/L		05/31/13 16:48	1
2-Dichloroethane	ND	0.50	ug/L		05/31/13 16:48	1
1-Dichloroethene	ND	0.50	ug/L		05/31/13 16:48	1
s-1,2-Dichloroethene	ND	0.50	ug/L		05/31/13 16:48	1
ins-1,2-Dichloroethene	ND	0.50	ug/L		05/31/13 16:48	1
2-Dichloropropane	ND	0.50	ug/L		05/31/13 16:48	1
s-1,3-Dichloropropene	ND	0.50	ug/L		05/31/13 16:48	1
ns-1,3-Dichloropropene	ND	0.50	ug/L		05/31/13 16:48	1
hylbenzene	ND	0.50	ug/L		05/31/13 16:48	1
exachlorobutadiene	ND	1.0	ug/L		05/31/13 16:48	1
lexanone	ND	50	ug/L		05/31/13 16:48	1
propylbenzene	ND	0.50	ug/L		05/31/13 16:48	1
sopropyltoluene	ND	1.0	ug/L		05/31/13 16:48	1
thylene Chloride	ND	5.0	ug/L		05/31/13 16:48	1
Nethyl-2-pentanone (MIBK)	ND	50	ug/L		05/31/13 16:48	1
phthalene	ND	1.0	ug/L		05/31/13 16:48	1
Propylbenzene	ND	1.0	ug/L		05/31/13 16:48	1
yrene	ND	0.50	ug/L		05/31/13 16:48	1
1,1,2-Tetrachloroethane	ND	0.50	ug/L		05/31/13 16:48	1

TestAmerica Job ID: 720-49998-1

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-01-2 Date Collected: 05/29/13 13:50							Lab	Sample ID: 720- Matrix	49998-8 x: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L	- 33		05/31/13 16:48	1
Tetrachloroethene	ND		0.50		ug/L			05/31/13 16:48	1
Toluene	ND		0.50		ug/L			05/31/13 16:48	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 16:48	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 16:48	1
1,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 16:48	1
1,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 16:48	1
Trichloroethene	ND		0.50		ug/L			05/31/13 16:48	1
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 16:48	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 16:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 16:48	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 16:48	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 16:48	1
Vinyl acetate	ND		10		ug/L			05/31/13 16:48	1
Vinyl chloride	ND		0.50		ug/L			05/31/13 16:48	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 16:48	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 16:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/31/13 16:48	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106	67 - 130		05/31/13 16:48	1
1,2-Dichloroethane-d4 (Surr)	115	75 - 138		05/31/13 16:48	1
Toluene-d8 (Surr)	103	70 - 130		05/31/13 16:48	1

#### Client Sample ID: MP-02-1

#### Date Collected: 05/29/13 14:30

Date	Rece	· havia	05/30/1	3 08:00	

Date Received: 05/30/13 08:00						
Analyte	Result Qualifier		MDL Unit	D Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50	ug/L		05/31/13 17:16	1
Acetone	ND	50	ug/L		05/31/13 17:16	1
Benzene	ND	0.50	ug/L		05/31/13 17:16	1
Dichlorobromomethane	ND	0.50	ug/L		05/31/13 17:16	1
Bromobenzene	ND	1.0	ug/L		05/31/13 17:16	1
Chlorobromomethane	ND	1.0	ug/L		05/31/13 17:16	1
Bromoform	ND	1.0	ug/L		05/31/13 17:16	1
Bromomethane	ND	1.0	ug/L		05/31/13 17:16	1
2-Butanone (MEK)	ND	50	ug/L		05/31/13 17:16	1
n-Butylbenzene	ND	1.0	ug/L		05/31/13 17:16	1
sec-Butylbenzene	ND	1.0	ug/L		05/31/13 17:16	1
tert-Butylbenzene	ND	1.0	ug/L		05/31/13 17:16	1
Carbon disulfide	ND	5.0	ug/L		05/31/13 17:16	1
Carbon tetrachloride	ND	0.50	ug/L		05/31/13 17:16	1
Chlorobenzene	ND	0.50	ug/L		05/31/13 17:16	1
Chloroethane	ND	1.0	ug/L		05/31/13 17:16	1
Chloroform	ND	1.0	ug/L		05/31/13 17:16	1
Chloromethane	ND	1.0	ug/L		05/31/13 17:16	1
2-Chlorotoluene	ND	0.50	ug/L		05/31/13 17:16	1
4-Chlorotoluene	ND	0.50	ug/L		05/31/13 17:16	1
Chlorodibromomethane	ND	0.50	ug/L		05/31/13 17:16	1

TestAmerica Pleasanton

Lab Sample ID: 720-49998-9

Matrix: Water

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

									49998-9
Date Collected: 05/29/13 14:30								Matri	x: Water
Date Received: 05/30/13 08:00 Analyte	Popult	Qualifier	RL	BAIDI	Unit	D	Dramawad	A makene d	Dil Cas
1,2-Dichlorobenzene	ND	Quanner	0.50	INIDE	ug/L	D	Prepared	Analyzed 05/31/13 17:16	Dil Fac
1.3-Dichlorobenzene	ND		0.50		ug/L			05/31/13 17:16	1
t,4-Dichlorobenzene	ND		0.50		ug/L			05/31/13 17:16	1
1,3-Dichloropropane	ND		1.0		ug/L			05/31/13 17:16	1
1,1-Dichloropropene	ND		0.50		ug/L			05/31/13 17:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/31/13 17:16	1
Ethylene Dibromide	ND		0.50		ug/L			05/31/13 17:16	1
Dibromomethane	ND		0.50		ug/L			05/31/13 17:16	1
Dichlorodifluoromethane	ND		0.50		ug/L			05/31/13 17:16	1
I.1-Dichloroethane	ND		0.50		ug/L			05/31/13 17:16	1
,Dichloroethane	ND		0.50		-			05/31/13 17:16	1
I,1-Dichloroethene	ND		0.50		ug/L				
			0.50		ug/L			05/31/13 17:16	1
cis-1,2-Dichloroethene	8.2		0.50		ug/L			05/31/13 17:16	
trans-1,2-Dichloroethene	0.88				ug/L			05/31/13 17:16	1
I,2-Dichloropropane	ND ND		0.50 0.50		ug/L			05/31/13 17:16	1
cis-1,3-Dichloropropene					ug/L			05/31/13 17:16	1
rans-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 17:16	1
thylbenzene	ND		0.50		ug/L			05/31/13 17:16	1
lexachlorobutadiene	ND		1.0		ug/L			05/31/13 17:16	1
2-Hexanone	ND		50		ug/L			05/31/13 17:16	1
sopropylbenzene	ND		0.50		ug/L			05/31/13 17:16	1
-Isopropyltoluene	ND		1.0		ug/L			05/31/13 17:16	1
Aethylene Chloride	ND		5.0		ug/L			05/31/13 17:16	1
-Methyl-2-pentanone (MIBK)	ND		50		ug/L			05/31/13 17:16	1
laphthalene	ND		1.0		ug/L			05/31/13 17:16	1
I-Propylbenzene	ND		1.0		ug/L			05/31/13 17:16	1
Styrene	ND		0.50		ug/L			05/31/13 17:16	1
,1,1,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 17:16	1
,1,2,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 17:16	1
etrachloroethene	1.0		0.50		ug/L			05/31/13 17:16	1
oluene	ND		0.50		ug/L			05/31/13 17:16	1
,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 17:16	1
,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 17:16	1
,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 17:16	1
,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 17:16	1
richloroethene	43		0.50		ug/L			05/31/13 17:16	1
richlorofluoromethane	ND		1.0		ug/L			05/31/13 17:16	1
,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 17:16	1
,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 17:16	1
,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 17:16	1
,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 17:16	1
/inyl acetate	ND		10		ug/L			05/31/13 17:16	1
/inyl chloride	ND		0.50		ug/L			05/31/13 17:16	1
ylenes, Total	ND		1.0		ug/L			05/31/13 17:16	1
,2-Dichloropropane	ND	_	0.50		ug/L			05/31/13 17:16	1
Basoline Range Organics (GRO) C5-C12	94	R	50		ug/L			05/31/13 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Lab Sample ID: 720-49998-9

Matrix: Water

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## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-02-1 Date Collected: 05/29/13 14:30 Date Received: 05/30/13 08:00

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 138					05/31/13 17:16	1
Toluene-d8 (Surr)	105		70 - 130					05/31/13 17:16	1
Client Sample ID: MP-02-2 Date Collected: 05/29/13 14:50							Lab S	ample ID: 720-4 Matrix	9998-10 k: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			06/03/13 15:26	1
Acetone	ND		50		ug/L			06/03/13 15:26	1
Benzene	ND		0.50		ug/L			06/03/13 15:26	1
Dichlorobromomethane	ND		0.50		ug/L			06/03/13 15:26	1
Bromobenzene	ND		1.0		ug/L			06/03/13 15:26	1
Chlorobromomethane	ND		1.0		ug/L			06/03/13 15:26	1
Bromoform	ND		1.0		ug/L			06/03/13 15:26	1
Bromomethane	ND		1.0		ug/L			06/03/13 15:26	1
2-Butanone (MEK)	ND		50		ug/L			06/03/13 15:26	1
n-Butylbenzene	ND		1.0		ug/L			06/03/13 15:26	1
sec-Butylbenzene	ND		1.0		ug/L			06/03/13 15:26	1
tert-Butylbenzene	ND		1.0		ug/L			06/03/13 15:26	1
Carbon disulfide	ND		5.0		ug/L			06/03/13 15:26	1
Carbon tetrachloride	ND		0.50		ug/L			06/03/13 15:26	1
Chlorobenzene	ND		0.50		ug/L			06/03/13 15:26	1
Chloroethane	ND		1.0		ug/L			06/03/13 15:26	1
Chloroform	ND		1.0		ug/L			06/03/13 15:26	1
Chloromethane	ND		1.0		ug/L			06/03/13 15:26	1
2-Chlorotoluene	ND		0.50		ug/L			06/03/13 15:26	1
4-Chlorotoluene	ND		0.50		ug/L			06/03/13 15:26	1
Chlorodibromomethane	ND		0.50		ug/L			06/03/13 15:26	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/03/13 15:26	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/03/13 15:26	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/03/13 15:26	1
1,3-Dichloropropane	ND		1.0		ug/L			06/03/13 15:26	1
1,1-Dichloropropene	ND		0.50		ug/L			06/03/13 15:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/03/13 15:26	1
Ethylene Dibromide	ND		0.50		ug/L			06/03/13 15:26	1
Dibromomethane	ND		0.50		ug/L			06/03/13 15:26	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/03/13 15:26	1
1,1-Dichloroethane	ND		0.50		ug/L			06/03/13 15:26	1
1,2-Dichloroethane	ND		0.50		ug/L			06/03/13 15:26	1
1,1-Dichloroethene	ND		0.50		ug/L			06/03/13 15:26	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/03/13 15:26	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/03/13 15:26	1
1,2-Dichloropropane	ND		0.50		ug/L			06/03/13 15:26	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/03/13 15:26	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/03/13 15:26	1
Ethylbenzene	ND		0.50		ug/L			06/03/13 15:26	1
Hexachlorobutadiene	ND		1.0		ug/L			06/03/13 15:26	1
2-Hexanone	ND		50		ug/L			06/03/13 15:26	1
Isopropylbenzene	ND		0.50		ug/L			06/03/13 15:26	1

TestAmerica Job ID: 720-49998-1

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-02-2 Date Collected: 05/29/13 14:50							Lab S	Sample ID: 720-4	
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Cil Fac
4-Isopropyltoluene	ND		1.0		ug/L			06/03/13 15:26	1
Methylene Chloride	ND		5.0		ug/L			06/03/13 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			06/03/13 15:26	1
Naphthalene	ND	*	1.0 R		ug/L			06/03/13 15:26	1
N-Propylbenzene	ND		1.0		ug/L			06/03/13 15:26	1
Styrene	ND		0.50		ug/L			06/03/13 15:26	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 15:26	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 15:26	1
Tetrachloroethene	ND		0.50		ug/L			06/03/13 15:26	1
Toluene	ND		0.50		ug/L			06/03/13 15:26	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/03/13 15:26	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/03/13 15:26	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/03/13 15:26	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/03/13 15:26	1
Trichloroethene	0.77		0.50		ug/L			06/03/13 15:26	1
Trichlorofluoromethane	ND		1.0		ug/L			06/03/13 15:26	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/03/13 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/03/13 15:26	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			06/03/13 15:26	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/03/13 15:26	1
Vinyl acetate	ND		10		ug/L			06/03/13 15:26	1
Vinyl chloride	ND		0.50		ug/L			06/03/13 15:26	1
Xylenes, Total	ND		1.0		ug/L			06/03/13 15:26	1
2,2-Dichloropropane	ND		0.50		ug/L			06/03/13 15:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/03/13 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

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4-Bromofluorobenzene	92	67 - 130	06	/03/13 15:26	1
1,2-Dichloroethane-d4 (Surr)	92	75 - 138	06	/03/13 15:26	1
Toluene-d8 (Surr)	98	70 - 130	06	/03/13 15:26	1

#### Client Sample ID: MP-02-3 Date Collected: 05/29/13 10:10

Date Received: 05/30/13 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			06/03/13 15:52	1
Acetone	ND		50		ug/L			06/03/13 15:52	1
Benzene	ND		0.50		ug/L			06/03/13 15:52	1
Dichlorobromomethane	ND		0.50		ug/L			06/03/13 15:52	1
Bromobenzene	ND		1.0		ug/L			06/03/13 15:52	1
Chlorobromomethane	ND		1.0		ug/L			06/03/13 15:52	1
Bromoform	ND		1.0		ug/L			06/03/13 15:52	1
Bromomethane	ND		1.0		ug/L			06/03/13 15:52	1
2-Butanone (MEK)	ND		50		ug/L			06/03/13 15:52	1
n-Butylbenzene	ND		1.0		ug/L			06/03/13 15:52	1
sec-Butylbenzene	ND		1.0		ug/L			06/03/13 15:52	1
tert-Butylbenzene	ND		1.0		ug/L			06/03/13 15:52	1
Carbon disulfide	ND		5.0		ug/L			06/03/13 15:52	1
Carbon tetrachloride	ND		0.50		ug/L			06/03/13 15:52	1

TestAmerica Pleasanton

Lab Sample ID: 720-49998-11

Matrix: Water

TestAmerica Job ID: 720-49998-1

## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-02-3 Date Collected: 05/29/13 10:10						Lab Sample ID: 720 Matr			
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chlorobenzene	ND		0.50	ug/L			06/03/13 15:52	1	100
Chloroethane	ND		1.0	ug/L			06/03/13 15:52	1	
Chloroform	ND		1.0	ug/L			06/03/13 15:52	1	1000
Chloromethane	ND		1.0	ug/L			06/03/13 15:52	1	
2-Chlorotoluene	ND		0.50	ug/L			06/03/13 15:52	1	
4-Chlorotoluene	ND		0.50	ug/L			06/03/13 15:52	1	
Chlorodibromomethane	ND		0.50	ug/L			06/03/13 15:52	1	
1,2-Dichlorobenzene	ND		0.50	ug/L			06/03/13 15:52	1	
1,3-Dichlorobenzene	ND		0.50	ug/L			06/03/13 15:52	1	
1,4-Dichlorobenzene	ND		0.50	ug/L			06/03/13 15:52	1	
1,3-Dichloropropane	ND		1.0	ug/L			06/03/13 15:52	1	
1,1-Dichloropropene	ND		0.50	ug/L			06/03/13 15:52	1	
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			06/03/13 15:52	1	
Ethylene Dibromide	ND		0.50	ug/L			06/03/13 15:52	1	
Dibromomethane	ND		0.50	ug/L			06/03/13 15:52	1	
Dichlorodifluoromethane	ND		0.50	ug/L			06/03/13 15:52	1	
1,1-Dichloroethane	ND		0.50	ug/L			06/03/13 15:52	1	
1,2-Dichloroethane	ND		0.50	ug/L			06/03/13 15:52	1	
1,1-Dichloroethene	ND		0.50	ug/L			06/03/13 15:52	1	
cis-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 15:52	1	
trans-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 15:52	1	
1,2-Dichloropropane	ND		0.50	ug/L			06/03/13 15:52	1	
cis-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 15:52	1	
trans-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 15:52	1	
Ethylbenzene	ND		0.50	ug/L			06/03/13 15:52	1	
Hexachlorobutadiene	ND		1.0	ug/L			06/03/13 15:52	1	
2-Hexanone	ND		50	ug/L			06/03/13 15:52	1	
	ND		0.50	ug/L			06/03/13 15:52	1	
Isopropylbenzene	ND		1.0	ug/L			06/03/13 15:52	1	
4-Isopropyltoluene	ND		5.0	ug/L			06/03/13 15:52	1	
Methylene Chloride	ND		50	ug/L			06/03/13 15:52	1	
4-Methyl-2-pentanone (MIBK)	ND	*	1.0	ug/L			06/03/13 15:52	1	
Naphthalene	ND		1.0	ug/L			06/03/13 15:52	1	
N-Propylbenzene	ND		0.50	ug/L			06/03/13 15:52	1	
Styrene	ND		0.50	ug/L			06/03/13 15:52	1	
1,1,1,2-Tetrachloroethane			0.50	ug/L			06/03/13 15:52	1	
1,1,2,2-Tetrachloroethane	ND						06/03/13 15:52	1	
Tetrachloroethene	ND		0.50	ug/L			06/03/13 15:52	1	
Toluene	ND		0.50	ug/L				4	
1,2,3-Trichlorobenzene	ND		1.0	ug/L			06/03/13 15:52	1	
1,2,4-Trichlorobenzene	ND		1.0	ug/L			06/03/13 15:52	1	
1,1,1-Trichloroethane	ND		0.50	ug/L			06/03/13 15:52	1	
1,1,2-Trichloroethane	ND		0.50	ug/L			06/03/13 15:52	1	
Trichloroethene	ND		0.50	ug/L			06/03/13 15:52	1	
Trichlorofluoromethane	ND		1.0	ug/L			06/03/13 15:52		
1,2,3-Trichloropropane	ND		0.50	ug/L			06/03/13 15:52	1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	ug/L			06/03/13 15:52	1	
1,2,4-Trimethylbenzene	ND		0.50	ug/L			06/03/13 15:52	1	
1,3,5-Trimethylbenzene	ND		0.50	ug/L			06/03/13 15:52	1	
Vinyl acetate	ND		10	ug/L			06/03/13 15:52	1	

#### TestAmerica Job ID: 720-49998-1

Analyzed

06/03/13 15:52

06/03/13 15:52

06/03/13 15:52

Lab Sample ID: 720-49998-12

6

Dil Fac

Matrix: Water

1

1

1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-02-3 Date Collected: 05/29/13 10:10							Lab S	Sample ID: 720-4 Matrix	49998-11 ix: Water	
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Vinyl chloride	ND		0.50		ug/L			06/03/13 15:52	1	
Xylenes, Total	ND		1.0		ug/L			06/03/13 15:52	1	
2,2-Dichloropropane	ND		0.50		ug/L			06/03/13 15:52	1	
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/03/13 15:52	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene	90		67 - 130	
1,2-Dichloroethane-d4 (Surr)	89		75 - 138	
Toluene-d8 (Surr)	97		70 - 130	

Client Sample ID: MW-01

Date Collected: 05/29/13 11:00

Date Received: 05/30/13 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			06/03/13 13:41	2
Acetone	ND		100		ug/L			06/03/13 13:41	2
Benzene	ND		1.0		ug/L			06/03/13 13:41	2
Dichlorobromomethane	ND		1.0		ug/L			06/03/13 13:41	2
Bromobenzene	ND		2.0		ug/L			06/03/13 13:41	2.
Chlorobromomethane	ND		2.0		ug/L			06/03/13 13:41	2
Bromoform	ND		2.0	i i i	ug/L			06/03/13 13:41	2
Bromomethane	ND		2.0		ug/L			06/03/13 13:41	2
2-Butanone (MEK)	ND		100		ug/L			06/03/13 13:41	2
n-Butylbenzene	ND		2.0		ug/L			06/03/13 13:41	2
sec-Butylbenzene	ND		2.0	1	ug/L			06/03/13 13:41	2
tert-Butylbenzene	ND		2.0		ug/L			06/03/13 13:41	2
Carbon disulfide	ND		10		ug/L			06/03/13 13:41	2
Carbon tetrachloride	ND		1.0		ug/L			06/03/13 13:41	2
Chlorobenzene	ND		1.0		ug/L			06/03/13 13:41	2
Chloroethane	ND		2.0		ug/L			06/03/13 13:41	2
Chloroform	ND		2.0		ug/L			06/03/13 13:41	2
Chloromethane	ND		2.0		ug/L			06/03/13 13:41	2
2-Chlorotoluene	ND		1.0	0	ug/L			06/03/13 13:41	2
4-Chlorotoluene	ND		1.0		ug/L			06/03/13 13:41	2
Chlorodibromomethane	ND		1.0		ug/L			06/03/13 13:41	2
1,2-Dichlorobenzene	ND		1.0		ug/L			06/03/13 13:41	2
1,3-Dichlorobenzene	ND		1.0		ug/L			06/03/13 13:41	2
1,4-Dichlorobenzene	ND		1.0	1	ug/L			06/03/13 13:41	2
1,3-Dichloropropane	ND		2.0		ug/L			06/03/13 13:41	2
1,1-Dichloropropene	ND		1.0		ug/L			06/03/13 13:41	2
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			06/03/13 13:41	2
Ethylene Dibromide	ND		1.0		ug/L			06/03/13 13:41	2
Dibromomethane	ND		1.0		ug/L			06/03/13 13:41	2
Dichlorodifluoromethane	ND		1.0		ug/L			06/03/13 13:41	2
1,1-Dichloroethane	ND		1.0		ug/L			06/03/13 13:41	2
1,2-Dichloroethane	ND		1.0		ug/L			06/03/13 13:41	2
1,1-Dichloroethene	ND		1.0		ug/L			06/03/13 13:41	2
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/03/13 13:41	2
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/03/13 13:41	2

Chlorobromomethane

Bromoform

TestAmerica Job ID: 720-49998-1

6

## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-01 Date Collected: 05/29/13 11:00							Lab	Sample ID: 720-4 Matri	19998-12 x: Water
Date Received: 05/30/13 08:00								WIGET.	A, FRALOI
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0		ug/L			06/03/13 13:41	2
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/03/13 13:41	2
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/03/13 13:41	2
Ethylbenzene	ND		1.0		ug/L			06/03/13 13:41	2
Hexachlorobutadiene	ND		2.0		ug/L			06/03/13 13:41	2
2-Hexanone	ND		100		ug/L			06/03/13 13:41	2
Isopropylbenzene	ND		1.0		ug/L			06/03/13 13:41	2
4-Isopropyltoluene	ND		2.0		ug/L			06/03/13 13:41	2
Methylene Chloride	ND		10		ug/L			06/03/13 13:41	2
4-Methyl-2-pentanone (MIBK)	ND		100		ug/L			06/03/13 13:41	2
Naphthalene	ND	*	2.0		ug/L			06/03/13 13:41	2
N-Propylbenzene	ND		2.0		ug/L			06/03/13 13:41	2
Styrene	ND		1.0		ug/L			06/03/13 13:41	2
1,1,1,2-Tetrachioroethane	ND		1.0		ug/L			06/03/13 13:41	2
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/03/13 13:41	2
Tetrachloroethene	170		1.0		ug/L			06/03/13 13:41	2
Toluene	ND		1.0		ug/L			06/03/13 13:41	2
1,2,3-Trichlorobenzene	ND		2.0		ug/L			06/03/13 13:41	2
	ND		2.0		ug/L			06/03/13 13:41	2
1,2,4-Trichlorobenzene	ND		1.0					06/03/13 13:41	2
1,1,1-Trichloroethane					ug/L				
1,1,2-Trichloroethane	ND		1.0		ug/L			06/03/13 13:41	2
Trichloroethene	1.1		1.0		ug/L			06/03/13 13:41	2
Trichlorofluoromethane	ND		2.0		ug/L			06/03/13 13:41	2
1,2,3-Trichloropropane	ND		1.0		ug/L			06/03/13 13:41	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/03/13 13:41	2
1,2,4-Trimethylbenzene	ND		1.0		ug/L			06/03/13 13:41	2
1,3,5-Trimethylbenzene	ND		1.0		ug/L			06/03/13 13:41	2
Vinyl acetate	ND		20		ug/L			06/03/13 13:41	2
Vinyl chloride	ND		1.0		ug/L			06/03/13 13:41	2
Xylenes, Total	ND		2.0		ug/L			06/03/13 13:41	2
2,2-Dichloropropane	ND	0	1.0		ug/L			06/03/13 13:41	2
Gasoline Range Organics (GRO) -C5-C12	100	R	100		ug/L			06/03/13 13:41	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		67 - 130					06/03/13 13:41	2
1,2-Dichloroethane-d4 (Surr)	94		75 - 138					06/03/13 13:41	2
Toluene-d8 (Surr)	98		70 - 130					06/03/13 13:41	2
Client Sample ID: MP-01-1							Lab S	Sample ID: 720-4	
Date Collected: 05/29/13 12:30 Date Received: 05/30/13 08:00								Matrix	x: Water
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			06/03/13 14:07	2
Acetone	ND		100		ug/L			06/03/13 14:07	2
Benzene	ND		1.0		ug/L			06/03/13 14:07	2
Dichlorobromomethane	ND		1.0		ug/L			06/03/13 14:07	2
Bromobenzene	ND		2.0		ug/L			06/03/13 14:07	2
								a second second second second	

TestAmerica Pleasanton

06/03/13 14:07

06/03/13 14:07

2.0

2.0

ug/L

ug/L

ND

ND

2

2

## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-01-1 Date Collected: 05/29/13 12:30					Lab S	ample ID: 720-4 Matri	9998-13 x: Water
Date Received: 05/30/13 08:00							AT FUELOT
Analyte	Result	Qualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND	2.0	ug/L			06/03/13 14:07	2
2-Butanone (MEK)	ND	100	ug/L			06/03/13 14:07	2
n-Butylbenzene	ND	2.0	ug/L			06/03/13 14:07	2
sec-Butylbenzene	ND	2.0	ug/L			06/03/13 14:07	2
tert-Butylbenzene	ND	2.0	ug/L			06/03/13 14:07	2
Carbon disulfide	ND	10	ug/L			06/03/13 14:07	2
Carbon tetrachloride	ND	1.0	ug/L			06/03/13 14:07	2
Chlorobenzene	ND	1.0	ug/L			06/03/13 14:07	2
Chloroethane	ND	2.0	ug/L			06/03/13 14:07	2
Chloroform	· ND	2.0	ug/L			06/03/13 14:07	2
Chloromethane	ND	2.0	ug/L			06/03/13 14:07	2
2-Chlorotoluene	ND	1.0	ug/L			06/03/13 14:07	2
4-Chlorotoluene	ND	1.0	ug/L			06/03/13 14:07	2
Chlorodibromomethane	ND	1.0	ug/L			06/03/13 14:07	2
1,2-Dichlorobenzene	ND	1.0	ug/L			06/03/13 14:07	2
1,3-Dichlorobenzene	ND	1.0	ug/L			06/03/13 14:07	2
1,4-Dichlorobenzene	ND	1.0	ug/L			06/03/13 14:07	2
1,3-Dichloropropane	ND	2.0	ug/L			06/03/13 14:07	2
1,1-Dichloropropene	ND	1.0	ug/L			06/03/13 14:07	2
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L			06/03/13 14:07	2
Ethylene Dibromide	ND	1.0	ug/L			06/03/13 14:07	2
Dibromomethane	ND	1.0	ug/L			06/03/13 14:07	2
Dichlorodifluoromethane	ND	1.0	ug/L			06/03/13 14:07	2
1,1-Dichloroethane	ND	1.0	ug/L			06/03/13 14:07	2
1,2-Dichloroethane	ND	1.0	ug/L			06/03/13 14:07	2
1,1-Dichloroethene	ND	1.0	ug/L			06/03/13 14:07	2
cis-1,2-Dichloroethene	ND	1.0	ug/L			06/03/13 14:07	2
trans-1,2-Dichloroethene	ND	1.0	ug/L			06/03/13 14:07	2
1,2-Dichloropropane	ND	1.0					
cis-1,3-Dichloropropene	ND	1.0	ug/L ug/L			06/03/13 14:07 06/03/13 14:07	2
trans-1,3-Dichloropropene	ND	1.0	ug/L			06/03/13 14:07	2
Ethylbenzene	ND	1.0	-				2
Hexachlorobutadiene	ND	2.0	ug/L ug/L			06/03/13 14:07	
2-Hexanone	ND	100	ug/L			06/03/13 14:07 06/03/13 14:07	2
Isopropylbenzene	ND	1.0	ug/L			06/03/13 14:07	2
4-Isopropyltoluene	ND	2.0	ug/L				_
Methylene Chloride	ND					06/03/13 14:07	2
4-Methyl-2-pentanone (MIBK)	ND	10 100	ug/L			06/03/13 14:07	2
Naphthalene	ND		ug/L			06/03/13 14:07	2
			•			06/03/13 14:07	2
N-Propylbenzene	ND	2.0	ug/L			06/03/13 14:07	2
Styrene	ND	1.0	ug/L			06/03/13 14:07	2
1,1,2-Tetrachloroethane	ND	1.0	ug/L			06/03/13 14:07	2
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L			06/03/13 14:07	2
Tetrachioroethene	190	1.0	ug/L			06/03/13 14:07	2
	ND	1.0	ug/L			06/03/13 14:07	2
I,2,3-Trichlorobenzene	ND	2.0	ug/L			06/03/13 14:07	2
1,2,4-Trichlorobenzene	ND	2.0	ug/L			06/03/13 14:07	2
1,1,1-Trichloroethane	ND	1.0	ug/Ľ			06/03/13 14:07	2
1,1,2-Trichloroethane	ND	1.0	ug/L			06/03/13 14:07	2

TestAmerica Job ID: 720-49998-1

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## Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-01-1 Date Collected: 05/29/13 12:30							Lab S	Sample ID: 720-4 Matrix	9998-13 x: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.6		1.0		ug/L			06/03/13 14:07	2
Trichlorofluoromethane	ND		2.0		ug/L			06/03/13 14:07	2
,2,3-Trichloropropane	ND		1.0		ug/L			06/03/13 14:07	2
,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/03/13 14:07	2
,2,4-Trimethylbenzene	ND		1.0		ug/L			06/03/13 14:07	2
3,5-Trimethylbenzene	ND		1.0		ug/L			06/03/13 14:07	2
inyl acetate	ND		20		ug/L			06/03/13 14:07	2
inyl chloride	ND		1.0		ug/L			06/03/13 14:07	2
ylenes, Total	ND		2.0		ug/L			06/03/13 14:07	2
2-Dichloropropane	ND		1.0		ug/L			06/03/13 14:07	2
asoline Range Organics (GRO) C5-C12	120	R	100		ug/L			06/03/13 14:07	2
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Bromofluorobenzene	89		67 - 130					06/03/13 14:07	2
2-Dichloroethane-d4 (Surr)	95		75 - 138					06/03/13 14:07	2
oluene-d8 (Surr)	98		70 - 130					06/03/13 14:07	2
lient Sample ID: MW-02 ate Collected: 05/29/13 13:30 ate Received: 05/30/13 08:00							Lab S	Sample ID: 720-4 Matrix	9998-14 x: Water
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ethyl tert-butyl ether	ND		0.50		ug/L			06/03/13 14:34	1
cetone	ND		50		ug/L			06/03/13 14:34	1
enzene	ND		0.50		ug/L			06/03/13 14:34	1
chlorobromomethane	ND		0.50		ug/L			06/03/13 14:34	1
romobenzene	ND		1.0		ug/L			06/03/13 14:34	1
hlorobromomethane	ND		1.0		ug/L			06/03/13 14:34	1
romoform	ND		1.0		ug/L			06/03/13 14:34	1
romomethane	ND		1.0		ug/L			06/03/13 14:34	1
Butanone (MEK)	ND		50		ug/L			06/03/13 14:34	1
Butylbenzene	ND		1.0		ug/L			06/03/13 14:34	1
ec-Butylbenzene	ND		1.0		ug/L			06/03/13 14:34	1
rt-Butylbenzene	ND		1.0		ug/L			06/03/13 14:34	1
arbon disulfide	ND		5.0		ug/L			06/03/13 14:34	1
arbon tetrachloride	ND		0.50		ug/L			06/03/13 14:34	1
hlorobenzene	ND		0.50		ug/L	1		06/03/13 14:34	1
hloroethane	ND		1.0		ug/L			06/03/13 14:34	1
hloroform	ND		1.0		ug/L			06/03/13 14:34	1
hloromethane	ND		1.0		ug/L			06/03/13 14:34	1
	ND		0.50		ug/L			06/03/13 14:34	1
Chlorotoluene	ND		0.50		ug/L			06/03/13 14:34	1
					ug/L			06/03/13 14:34	1
Chlorotoluene			0.50		-				1
Chlorotoluene hlorodibromomethane	ND		0.50 0,50		ug/L			06/03/13 14:34	
Chlorotoluene hlorodibromomethane 2-Dichlorobenzene	ND ND		0.50		ug/L ug/L			06/03/13 14:34 06/03/13 14:34	
Chlorotoluene hlorodibromomethane 2-Dichlorobenzene 3-Dichlorobenzene	ND ND ND		0.50 0.50		ug/L			06/03/13 14:34	1
Chlorotoluene hlorodibromomethane 2-Dichlorobenzene 3-Dichlorobenzene 4-Dichlorobenzene	ND ND ND		0.50 0.50 0.50		ug/L ug/L			06/03/13 14:34 06/03/13 14:34	1 1
-Chlorotoluene hlorodibromomethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,3-Dichloropropane	ND ND ND ND		0.50 0.50 0.50 1.0		ug/L ug/L ug/L			06/03/13 14:34 06/03/13 14:34 06/03/13 14:34	1 1 1
-Chlorotoluene -Chlorotoluene hlorodibromomethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,3-Dichloropropane ,1-Dichloropropane ,2-Dibromo-3-Chloropropane	ND ND ND		0.50 0.50 0.50		ug/L ug/L			06/03/13 14:34 06/03/13 14:34	1 1

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-02 Date Collected: 05/29/13 13:30							Lab S	Sample ID: 720-4 Matri	9998-14 k: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.50		ug/L			06/03/13 14:34	1
Dichlorodifluoromethane	ND		0.50		ug/L			06/03/13 14:34	1
1,1-Dichloroethane	ND		0.50		ug/L			06/03/13 14:34	1
1,2-Dichloroethane	ND		0.50		ug/L			06/03/13 14:34	1
1,1-Dichloroethene	ND		0.50		ug/L			06/03/13 14:34	1
cis-1,2-Dichloroethene	2.0		0.50		ug/L			06/03/13 14:34	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/03/13 14:34	1
1,2-Dichloropropane	ND		0.50		ug/L			06/03/13 14:34	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/03/13 14:34	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/03/13 14:34	1
Ethylbenzene	ND		0.50		ug/L			06/03/13 14:34	1
Hexachlorobutadiene	ND		1.0		ug/L			06/03/13 14:34	1
2-Hexanone	ND		50		ug/L			06/03/13 14:34	1
lsopropylbenzene	ND		0.50		ug/L			06/03/13 14:34	1
4-Isopropyltoluene	ND		1.0		ug/L			06/03/13 14:34	1
Methylene Chloride	ND		5.0		ug/L			06/03/13 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			06/03/13 14:34	1
Naphthalene	ND	*	1.0		ug/L			06/03/13 14:34	1
N-Propylbenzene	ND		1.0		ug/L			06/03/13 14:34	1
Styrene	ND		0.50		ug/L			06/03/13 14:34	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 14:34	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 14:34	1
Tetrachloroethene	20		0.50		ug/L			06/03/13 14:34	1
Toluene	ND		0.50		ug/L			06/03/13 14:34	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/03/13 14:34	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/03/13 14:34	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/03/13 14:34	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/03/13 14:34	1
Trichloroethene	26		0.50		ug/L			06/03/13 14:34	1
Trichlorofluoromethane	ND		1.0		ug/L			06/03/13 14:34	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/03/13 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/03/13 14:34	1
1,2,4-Trimethylbenzene	ND		0.50	2	ug/L			06/03/13 14:34	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/03/13 14:34	1
Vinyl acetate	ND		10		ug/L			06/03/13 14:34	1
Vinyl chloride	ND		0.50		ug/L			06/03/13 14:34	1
Xylenes, Total	ND		1.0		ug/L			06/03/13 14:34	1
2,2-Dichloropropane	ND		0.50		ug/L			06/03/13 14:34	1
Gasoline Range Organics (GRO) -C5-C12	51	R	50		ug/L			06/03/13 14:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		67 - 130					06/03/13 14:34	1
100:11 // // // //			mm (00					00/00/100 / 1.0 /	

06/03/13 14:34

06/03/13 14:34

75 - 138

70 - 130

93

98

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#### TestAmerica Job ID: 720-49998-1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-200 Date Collected: 05/29/13 13:40						Lau a	Sample ID: 720-4 Matri	x: Water
Date Received: 05/30/13 08:00								
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	ug/L			05/31/13 17:14	1
Acetone	ND		50	ug/L			05/31/13 17:14	1
Benzene	ND		0.50	ug/L			05/31/13 17:14	1
Dichlorobromomethane	ND		0.50	ug/L			05/31/13 17:14	1
Bromobenzene	ND		1.0	ug/L			05/31/13 17:14	1
Chlorobromomethane	ND		1.0	ug/L			05/31/13 17:14	1
Bromoform	ND		1.0	ug/L			05/31/13 17:14	1
romomethane	ND		1.0	ug/L			05/31/13 17:14	1
-Butanone (MEK)	ND		50	ug/L			05/31/13 17:14	1
-Butylbenzene	ND		1.0	ug/L			05/31/13 17:14	1
ec-Butylbenzene	ND		1.0	ug/L			05/31/13 17:14	1
ert-Butylbenzene	ND		1.0	ug/L			05/31/13 17:14	1
arbon disulfide	ND		5.0	ug/L			05/31/13 17:14	1
arbon tetrachloride	ND		0.50	ug/L			05/31/13 17:14	1
Chlorobenzene	ND		0.50	ug/L			05/31/13 17:14	1
hloroethane	ND		1.0	ug/L			05/31/13 17:14	1
hloroform	ND		1.0	ug/L			05/31/13 17:14	1
hloromethane	ND		1.0	ug/L			05/31/13 17:14	1
Chlorotoluene	ND		0.50	ug/L			05/31/13 17:14	1
Chlorotoluene	ND		0.50	ug/L			05/31/13 17:14	1
hlorodibromomethane	ND		0.50	ug/L			05/31/13 17:14	1
2-Dichlorobenzene	ND		0.50	ug/L			05/31/13 17:14	1
3-Dichlorobenzene	ND		0.50	ug/L			05/31/13 17:14	1
4-Dichlorobenzene	ND		0.50	ug/L			05/31/13 17:14	1
3-Dichloropropane	ND		1.0	ug/L			05/31/13 17:14	1
1-Dichloropropene	ND		0.50	ug/L			05/31/13 17:14	1
2-Dibromo-3-Chloropropane	ND		1.0	ug/L			05/31/13 17:14	1
thylene Dibromide	ND		0.50	ug/L			05/31/13 17:14	1
ibromomethane	ND		0.50	ug/L			05/31/13 17:14	1
ichlorodifluoromethane	ND		0.50	ug/L			05/31/13 17:14	1
1-Dichloroethane	ND		0.50	ug/L			05/31/13 17:14	1
,2-Dichloroethane	ND		0.50	ug/L			05/31/13 17:14	1
,1-Dichloroethene	ND		0.50	ug/L			05/31/13 17:14	1
is-1,2-Dichloroethene	2.0		0.50	ug/L			05/31/13 17:14	1
ans-1,2-Dichloroethene	ND		0.50	ug/L			05/31/13 17:14	1
2-Dichloropropane	ND		0.50	ug/L			05/31/13 17:14	1
s-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 17:14	1
ans-1,3-Dichloropropene	ND		0.50	ug/L			05/31/13 17:14	1
thylbenzene	ND		0.50	ug/L			05/31/13 17:14	1
exachlorobutadiene	ND		1.0	ug/L			05/31/13 17:14	1
Hexanone	ND		50	ug/L			05/31/13 17:14	1
opropylbenzene	ND		0.50	ug/L			05/31/13 17:14	1
Isopropyltoluene	ND		1.0	ug/L			05/31/13 17:14	1
lethylene Chloride	ND		5.0	ug/L			05/31/13 17:14	1
-Methyl-2-pentanone (MIBK)	ND		50	ug/L			05/31/13 17:14	1
aphthalene	ND		1.0	ug/L			05/31/13 17:14	1
-Propylbenzene	ND		1.0	ug/L			05/31/13 17:14	1
tyrene	ND		0.50	ug/L			05/31/13 17:14	1
,1,1,2-Tetrachloroethane	ND		0.50	ug/L			05/31/13 17:14	1

TestAmerica Job ID: 720-49998-1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

4-Bromofluorobenzene	88		67 - 130					05/31/13 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-C5-C12									
Gasoline Range Organics (GRO)	ND		50		ug/L			05/31/13 17:14	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 17:14	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 17:14	1
Vinyl chloride	ND		0.50		ug/L			05/31/13 17:14	1
Vinyl acetate	ND		10		ug/L			05/31/13 17:14	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 17:14	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 17:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 17:14	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 17:14	1
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 17:14	1
Trichloroethene	23		0.50		ug/L			05/31/13 17:14	1
1,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 17:14	1
1,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 17:14	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 17:14	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 17:14	1
Toluene	ND		0.50		ug/L			05/31/13 17:14	1
Tetrachloroethene	15		0.50		ug/L			05/31/13 17:14	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 17:14	1
Client Sample ID: MW-200 Date Collected: 05/29/13 13:40 Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Sample ID: 720-4 Matrix Analyzed	Dil Fac

Sunogate	Mecovery Quan	Linnis	Frepareu	Anaryzed	DirFac
4-Bromofluorobenzene	88	67 - 130		05/31/13 17:14	1
1,2-Dichloroethane-d4 (Surr)	103	75 - 138		05/31/13 17:14	1
Toluene-d8 (Surr)	101	70 - 130		05/31/13 17:14	1

#### Client Sample ID: MP-01-3

Date Collected: 05/29/13 14:05

Date officeted. 00/20/10 14.00					Water	
Date Received: 05/30/13 08:00 Analyte	Result Q	ualifier RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50	ug/L		06/03/13 12:49	1
Acetone	ND	50	ug/L		06/03/13 12:49	1
Benzene	ND	0.50	ug/L		06/03/13 12:49	1
Dichlorobromomethane	ND	0.50	ug/L		06/03/13 12:49	1
Bromobenzene	ND	1.0	ug/L		06/03/13 12:49	1
Chlorobromomethane	ND	1.0	ug/L		06/03/13 12:49	1
Bromoform	ND	1.0	ug/L		06/03/13 12:49	1
Bromomethane	ND	1.0	ug/L		06/03/13 12:49	1
2-Butanone (MEK)	ND	50	ug/L		06/03/13 12:49	1
n-Butylbenzene	ND	1.0	ug/L		06/03/13 12:49	1
sec-Butylbenzene	ND	1.0	ug/L		06/03/13 12:49	1
tert-Butylbenzene	ND	1.0	ug/L		06/03/13 12:49	1
Carbon disulfide	ND	5.0	ug/L		06/03/13 12:49	1
Carbon tetrachloride	ND	0.50	ug/L		06/03/13 12:49	1
Chlorobenzene	ND	0.50	ug/L		06/03/13 12:49	1
Chloroethane	ND	1.0	ug/L		06/03/13 12:49	1
Chloroform	ND	1.0	ug/L		06/03/13 12:49	1
Chloromethane	ND	1.0	ug/L		06/03/13 12:49	1
2-Chlorotoluene	ND	0.50	ug/L		06/03/13 12:49	1
4-Chlorotoluene	ND	0.50	ug/L		06/03/13 12:49	1
Chlorodibromomethane	ND	0.50	ug/L		06/03/13 12:49	1

TestAmerica Pleasanton

Lab Sample ID: 720-49998-16

Matrix: Water

TestAmerica Job ID: 720-49998-1

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#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-01-3				Lab Sample ID: 720-4999					
Date Collected: 05/29/13 14:05					Matr				
Date Received: 05/30/13 08:00					-	_			
Analyte		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
1,2-Dichlorobenzene	ND		0.50	ug/L			06/03/13 12:49	1	
1,3-Dichlorobenzene	ND		0.50	ug/L			06/03/13 12:49	1	
1,4-Dichlorobenzene	ND		0.50	ug/L			06/03/13 12:49	1	
1,3-Dichloropropane	ND		1.0	ug/L			06/03/13 12:49	1	
1,1-Dichloropropene	ND		0.50	ug/L			06/03/13 12:49	1	
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			06/03/13 12:49	1	
Ethylene Dibromide	ND		0.50	ug/L			06/03/13 12:49	1	
Dibromomethane	ND		0.50	ug/L			06/03/13 12:49	1	
Dichlorodifluoromethane	ND		0.50	ug/L			06/03/13 12:49	1	
1,1-Dichloroethane	ND		0.50	ug/L			06/03/13 12:49	1	
1,2-Dichloroethane	ND		0.50	ug/L			06/03/13 12:49	1	
1,1-Dichloroethene	ND		0.50	ug/L			06/03/13 12:49	1	
cis-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 12:49	1	
rans-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 12:49	1	
1,2-Dichloropropane	ND		0.50	ug/L			06/03/13 12:49	1	
cis-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 12:49	1	
rans-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 12:49	1	
Ethylbenzene	ND		0.50	ug/L			06/03/13 12:49	1	
Hexachlorobutadiene	ND		1.0	ug/L		9	06/03/13 12:49	1	
2-Hexanone	ND		50	ug/L			06/03/13 12:49	1	
sopropylbenzene	ND		0.50	ug/L			06/03/13 12:49	1	
-Isopropyltoluene	ND		1.0	ug/L			06/03/13 12:49	1	
Aethylene Chloride	ND		5.0	ug/L			06/03/13 12:49	1	
-Methyl-2-pentanone (MIBK)	ND		50	ug/L			06/03/13 12:49	1	
Naphthalene	ND	*	1.0	ug/L			06/03/13 12:49	1	
I-Propylbenzene	ND		1.0	ug/L			06/03/13 12:49	1	
Styrene	ND		0.50	ug/L			06/03/13 12:49	1	
,1,1,2-Tetrachloroethane	ND		0.50	ug/L			06/03/13 12:49	1	
,1,2,2-Tetrachloroethane	ND		0.50	ug/L			06/03/13 12:49	1	
etrachloroethene	ND		0.50	ug/L			06/03/13 12:49	1	
Toluene	ND		0.50	ug/L			06/03/13 12:49	1	
1,2,3-Trichlorobenzene	ND		1.0	ug/L			06/03/13 12:49	1	
1,2,4-Trichlorobenzene	ND		1.0	ug/L			06/03/13 12:49	1	
I,1,1-Trichloroethane	ND		0.50	ug/L			06/03/13 12:49	1	
I,1,2-Trichloroethane	ND		0.50	ug/L			06/03/13 12:49	1	
Trichloroethene	ND		0.50	ug/L			06/03/13 12:49	1	
Trichlorofluoromethane	ND		1.0	ug/L			06/03/13 12:49	1	
,2,3-Trichloropropane	ND		0.50	ug/L			06/03/13 12:49	1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	ug/L			06/03/13 12:49	1	
,2,4-Trimethylbenzene	ND		0.50	ug/L			06/03/13 12:49	1	
,3,5-Trimethylbenzene	ND		0.50	ug/L			06/03/13 12:49	1	
/inyl acetate	ND		10	ug/L			06/03/13 12:49	1	
/inyl chloride	ND		0.50	ug/L			06/03/13 12:49	1	
(ylenes, Total	ND		1.0	ug/L			06/03/13 12:49	1	
2,2-Dichloropropane	ND		0.50	ug/L			06/03/13 12:49	1	
	ND		50	ug/L			06/03/13 12:49	1	
Gasoline Range Organics (GRO) C5-C12	ND		50	ug/L			00/03/13 12.48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	93		67 - 130				06/03/13 12:49	1	

Lab Sample ID: 720-49998-16

Matrix: Water

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-01-3 Date Collected: 05/29/13 14:05 Date Received: 05/30/13 08:00

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 138				06/03/13 12:49	1
Toluene-d8 (Surr)	98		70 - 130				06/03/13 12:49	1
Client Sample ID: TB052913-1						Lab S	ample ID: 720-4	9998-17
Date Collected: 05/29/13 07:00								x: Water
Date Received: 05/30/13 08:00								
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	ug/L			06/03/13 13:15	1
Acetone	ND		50	ug/L			06/03/13 13:15	1
Benzene	ND		0.50	ug/L			06/03/13 13:15	1
Dichlorobromomethane	ND		0.50	ug/L			06/03/13 13:15	1
Bromobenzene	ND		1.0	ug/L			06/03/13 13:15	1
Chlorobromomethane	ND		1.0	ug/L			06/03/13 13:15	1
Bromoform	ND		1.0	ug/L			06/03/13 13:15	1
Bromomethane	ND		1.0	ug/L			06/03/13 13:15	1
2-Butanone (MEK)	ND		50	ug/L			06/03/13 13:15	1
n-Butylbenzene	ND		1.0	ug/L			06/03/13 13:15	1
sec-Butylbenzene	ND		1.0	ug/L			06/03/13 13:15	1
tert-Butylbenzene	ND		1.0	ug/L			06/03/13 13:15	1
Carbon disulfide	ND		5.0	ug/L			06/03/13 13:15	1
Carbon tetrachloride	ND		0.50	ug/L			06/03/13 13:15	1
Chlorobenzene	ND		0.50	ug/L			06/03/13 13:15	1
Chloroethane	ND		1.0	ug/L			06/03/13 13:15	1
Chloroform	ND		1.0	ug/L			06/03/13 13:15	1
Chloromethane	ND		1.0	ug/L			06/03/13 13:15	1
2-Chlorotoluene	ND		0.50	ug/L			06/03/13 13:15	1
4-Chlorotoluene	ND		0.50	ug/L			06/03/13 13:15	1
Chlorodibromomethane	ND		0.50	ug/L			06/03/13 13:15	1
1,2-Dichlorobenzene	ND		0.50	ug/L			06/03/13 13:15	1
1,3-Dichlorobenzene	ND		0.50	ug/L			06/03/13 13:15	1
1,4-Dichlorobenzene	ND		0.50	ug/L			06/03/13 13:15	1
1,3-Dichloropropane	ND		1.0	ug/L			06/03/13 13:15	1
1,1-Dichloropropene	ND		0.50	ug/L			06/03/13 13:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			06/03/13 13:15	1
Ethylene Dibromide	ND		0.50	ug/L			06/03/13 13:15	1
Dibromomethane	ND		0.50	ug/L			06/03/13 13:15	1
Dichlorodifluoromethane	ND		0.50	ug/L			06/03/13 13:15	1
1,1-Dichloroethane	ND		0.50	ug/L			06/03/13 13:15	1
1,2-Dichloroethane	ND		0.50	ug/L			06/03/13 13:15	1
1,1-Dichloroethene	ND		0.50	ug/L			06/03/13 13:15	1
cis-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 13:15	1
trans-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 13:15	1
1,2-Dichloropropane	ND		0.50	ug/L			06/03/13 13:15	1
cis-1,3-Dichloropropene	ND		0.50	ug/L	- 2 C		06/03/13 13:15	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 13:15	1
Ethylbenzene	ND		0.50	ug/L			06/03/13 13:15	1
Hexachlorobutadiene	ND		1.0	ug/L			06/03/13 13:15	1
2-Hexanone	ND		50	ug/L			06/03/13 13:15	1
lsopropylbenzene	ND		0.50	ug/L			06/03/13 13:15	1

TestAmerica Job ID: 720-49998-1

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB052913-1 Date Collected: 05/29/13 07:00							Lab S	Sample ID: 720-4 Matrix	9998-17 c: Water
Date Received: 05/30/13 08:00 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		1.0		ug/L			06/03/13 13:15	1
Methylene Chloride	ND		5.0		ug/L			06/03/13 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			06/03/13 13:15	1
Naphthalene	ND	*	1.0		ug/L			06/03/13 13:15	1
N-Propylbenzene	ND		1.0		ug/L			06/03/13 13:15	1
Styrene	ND		0.50		ug/L			06/03/13 13:15	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 13:15	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 13:15	1
Tetrachloroethene	ND		0.50		ug/L			06/03/13 13:15	1
Toluene	ND		0.50		ug/L			06/03/13 13:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/03/13 13:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/03/13 13:15	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/03/13 13:15	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/03/13 13:15	1
Trichloroethene	ND		0.50		ug/L			06/03/13 13:15	1
Trichlorofluoromethane	ND		1.0		ug/L			06/03/13 13:15	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/03/13 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/03/13 13:15	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			06/03/13 13:15	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/03/13 13:15	1
Vinyl acetate	ND		10		ug/L			06/03/13 13:15	1
Vinyl chloride	ND		0.50		ug/L			06/03/13 13:15	1
Xylenes, Total	ND		1.0		ug/L			06/03/13 13:15	1
2,2-Dichloropropane	ND		0.50		ug/L			06/03/13 13:15	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/03/13 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		67 - 130					06/03/13 13:15	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 138					06/03/13 13:15	1
Toluene-d8 (Surr)	98		70 - 130					06/03/13 13:15	1

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-137420/5
Matrix: Water
Analysis Batch: 137420

Client Sample ID: Method Blank Prep Type: Total/NA

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Analysis Batch: 137420	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			05/31/13 08:28	1
Acetone	ND		50		ug/L			05/31/13 08:28	1
Benzene	ND		0.50		ug/L			05/31/13 08:28	1
Dichlorobromomethane	ND		0.50		ug/L			05/31/13 08:28	1
Bromobenzene	ND		1.0		ug/L			05/31/13 08:28	1
Chlorobromomethane	ND		1.0		ug/L			05/31/13 08:28	1
Bromoform	ND		1.0		ug/L			05/31/13 08:28	1
Bromomethane	ND		1.0		ug/L			05/31/13 08:28	1
2-Butanone (MEK)	ND		50		ug/L			05/31/13 08:28	1
n-Butylbenzene	ND		1.0		ug/L			05/31/13 08:28	1
sec-Butylbenzene	ND		1.0		ug/L			05/31/13 08:28	1
tert-Butylbenzene	ND		1.0		ug/L			05/31/13 08:28	1
Carbon disulfide	ND		5.0		ug/L			05/31/13 08:28	1
Carbon tetrachloride	ND		0.50	1.0	ug/L			05/31/13 08:28	1
Chlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
Chloroethane	ND		1.0		ug/L			05/31/13 08:28	1
Chloroform	ND		1.0		ug/L			05/31/13 08:28	1
Chloromethane	ND		1.0		ug/L			05/31/13 08:28	1
2-Chlorotoluene	ND		0.50		ug/L			05/31/13 08:28	1
4-Chlorotoluene	ND		0.50		ug/L			05/31/13 08:28	1
Chlorodibromomethane	ND		0.50		ug/L			05/31/13 08:28	1
1.2-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,3-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,4-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,3-Dichloropropane	ND		1.0		ug/L			05/31/13 08:28	1
1,1-Dichloropropene	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/31/13 08:28	1
Ethylene Dibromide	ND		0.50		ug/L			05/31/13 08:28	1
Dibromomethane	ND		0.50		ug/L			05/31/13 08:28	1
Dichlorodifluoromethane	ND		0.50		ug/L			05/31/13 08:28	1
1,1-Dichloroethane	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dichloroethane	ND		0.50		ug/L			05/31/13 08:28	1
1,1-Dichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dichloropropane	ND		0.50		ug/L			05/31/13 08:28	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 08:28	4
trans-1,3-Dichloropropene	ND		0.50		ug/L				1
Ethylbenzene	ND		0.50		ug/L			05/31/13 08:28	
Hexachlorobutadiene	ND		1.0					05/31/13 08:28	1
2-Hexanone					ug/L			05/31/13 08:28	4
Isopropylbenzene	ND ND		50		ug/L			05/31/13 08:28	1
	ND		0.50		ug/L			05/31/13 08:28	1
4-Isopropyltoluene			1.0		ug/L			05/31/13 08:28	1
Methylene Chloride	ND		5.0		ug/L			05/31/13 08:28	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			05/31/13 08:28	1
Naphthalene N Bropylhonzono	ND		1.0		ug/L			05/31/13 08:28	1
N-Propylbenzene	ND		1.0		ug/L			05/31/13 08:28	1
Styrene	ND		0.50		ug/L			05/31/13 08:28	1

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### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-137420/5 Matrix: Water				Client S	ample ID: Metho Prep Type: 1	
Analysis Batch: 137420						
	MB MB					
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L		05/31/13 08:28	1
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L		05/31/13 08:28	1
Tetrachloroethene	ND	0.50	ug/L		05/31/13 08:28	1
Toluene	ND	0.50	ug/L		05/31/13 08:28	1
1,2,3-Trichlorobenzene	ND	1.0	ug/L		05/31/13 08:28	1
1,2,4-Trichlorobenzene	ND	1.0	ug/L		05/31/13 08:28	1
1,1,1-Trichloroethane	ND	0.50	ug/L		05/31/13 08:28	1
1,1,2-Trichloroethane	ND	0.50	ug/L		05/31/13 08:28	1
Trichloroethene	ND	0.50	ug/L		05/31/13 08:28	1
Trichlorofluoromethane	ND	1.0	ug/L		05/31/13 08:28	1
1,2,3-Trichloropropane	ND	0.50	ug/L		05/31/13 08:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50	ug/L		05/31/13 08:28	1
1,2,4-Trimethylbenzene	ND	0.50	ug/L		05/31/13 08:28	1
1,3,5-Trimethylbenzene	ND	0.50	ug/L		05/31/13 08:28	1
Vinyl acetate	ND	10	ug/L		05/31/13 08:28	1
Vinyl chloride	ND	0.50	ug/L		05/31/13 08:28	1
Xylenes, Total	ND	1.0	ug/L		05/31/13 08:28	1
2,2-Dichloropropane	ND	0.50	ug/L		05/31/13 08:28	1
Gasoline Range Organics (GRO)	ND	50	ug/L		05/31/13 08:28	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		67 - 130		05/31/13 08:28	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 138		05/31/13 08:28	1
Toluene-d8 (Surr)	95		70 - 130		05/31/13 08:28	1

#### Lab Sample ID: LCS 720-137420/6 Matrix: Water

Analysis Batch: 137420

-C5-C12

······,	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methyl tert-butyl ether	25.0	25.1		ug/L		100	62 - 130	
Acetone	125	108		ug/L		87	26 - 180	
Benzene	25.0	24.7		ug/L		99	79 - 130	
Dichlorobromomethane	25.0	26.1		ug/L		104	70 - 130	
Bromobenzene	25.0	24.0		ug/L		96	70 - 130	
Chlorobromomethane	25.0	25.3		ug/L		101	70 - 130	
Bromoform	25.0	24.5		ug/L		98	68 - 136	
Bromomethane	25.0	23.1		ug/L		92	43 - 151	
2-Butanone (MEK)	125	109		ug/L		87	54 - 130	
n-Butylbenzene	25.0	23.3		ug/L		93	70 - 142	
sec-Butylbenzene	25.0	23.1		ug/L		93	70 - 134	
tert-Butylbenzene	25.0	23.6		ug/L		94	70 - 135	
Carbon disulfide	25.0	23.1		ug/L		92	58 - 130	
Carbon tetrachloride	25.0	22.6		ug/L		90	70 - 146	
Chlorobenzene	25.0	24.5		ug/L		98	70 - 130	
Chloroethane	25.0	23.0		ug/L		92	62 - 138	
Chloroform	25.0	25.0		ug/L		100	70 - 130	

TestAmerica Pleasanton

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCS 720-137420/6 Matrix: Water Analysis Batch: 137420

Analysis Daten. 107420	Spike	LCS	LCS				%Rec.
Analyte	Added		Qualifier	Unit	D	%Rec	Limits
Chloromethane	25.0	19.1		ug/L		76	52 - 175
2-Chlorotoluene	25.0	26.5		ug/L		106	70 - 130
4-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130
Chlorodibromomethane	25.0	23.2		ug/L		93	70 - 145
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	70 - 130
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	70 - 130
1,3-Dichloropropane	25.0	25.4		ug/L		102	70 - 130
1,1-Dichloropropene	25.0	26.7		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	18.9		ug/L		76	70 - 136
Ethylene Dibromide	25.0	26.0		ug/L		104	70 - 130
Dibromomethane	25.0	25.2		ug/L		101	70 - 130
Dichlorodifluoromethane	25.0	17.4		ug/L		70	34 - 132
1,1-Dichloroethane	25.0	24.0		ug/L		96	70 - 130
1,2-Dichloroethane	25.0	24.6		ug/L		98	61 - 132
1,1-Dichloroethene	25.0	20.7		ug/L		83	64 - 128
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	70 - 130
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	68 - 130
1,2-Dichloropropane	25.0	25.7		ug/L		103	70 - 130
cis-1,3-Dichloropropene	25.0	27.7		ug/L		111	70 - 130
trans-1,3-Dichloropropene	25.0	24.4		ug/L		97	70 - 140
Ethylbenzene	25.0	24.9		ug/L		99	80 - 120
Hexachlorobutadiene	25.0	18.7		ug/L		75	70 - 130
2-Hexanone	125	101		ug/L		81	60 - 164
lsopropylbenzene	25.0	25.4		ug/L		102	70 - 130
4-IsopropyItoluene	25.0	22.9		ug/L		91	70 - 130
Methylene Chloride	25.0	23.8		ug/L		95	70 - 147
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	58 - 130
Naphthalene	25.0	20.2		ug/L		81	70 - 130
N-Propylbenzene	25.0	24.1		ug/L		97	70 - 130
Styrene	25.0	25.5		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	25.0	21.9		ug/L		87	70 - 130
Tetrachloroethene	25.0	24.3		ug/L		97	70 - 130
Toluene	25.0	24.7		ug/L		99	78 - 120
1,2,3-Trichlorobenzene	25.0	21.0		ug/L		84	70 - 130
1,2,4-Trichlorobenzene	25.0	21.5		ug/L		86	70 - 130
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	70 - 130
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	70 - 130
Trichloroethene	25.0	25.6		ug/L		102	70 - 130
Trichlorofluoromethane	25.0	22.6		ug/L		90	66 - 132
1,2,3-Trichloropropane	25.0	23.0		ug/L		92	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	21.9		ug/L		88	42 - 162
ne 1,2,4-Trimethylbenzene	25.0	24.5		ug/L		98	70 - 132
1,3,5-Trimethylbenzene	25.0	24.3		ug/L		97	70 - 130
Vinyl acetate	25.0	27.6		ug/L		111	43 - 163
Vinyl chloride	25.0	21.4		ug/L		85	54 - 135

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# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-1374 Matrix: Water	120/6						Client	t Sample	ID: Lab Control Sam Prep Type: Total
									Flep Type. Total
Analysis Batch: 137420			Spike	LCS	LCS				%Rec.
Analyte			Added		Qualifier	Unit	D	%Rec	Limits
m-Xylene & p-Xylene			50.0	47.5		ug/L		95	70 - 142
o-Xylene			25.0	26.1		ug/L		104	70 - 130
2,2-Dichloropropane			25.0	28.4		ug/L		114	70 - 140
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	110		67 - 130						
1,2-Dichloroethane-d4 (Surr)	99		75 - 138						
Toluene-d8 (Surr)	102		70 - 130						
Lab Sample ID: LCS 720-1374	120/8						Client	t Sample	D: Lab Control Sam
Matrix: Water									Prep Type: Total
Analysis Batch: 137420		1	Lacostro.		11.5				(mar)
			Spike		LCS				%Rec.
Analyte			Added		Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO) -C5-C12			500	514		ug/L		103	62 - 120
	LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	103		67 - 130						
1,2-Dichloroethane-d4 (Surr)	98		75 - 138						
Toluene-d8 (Surr)	104		70 - 130						
Lab Sample ID: LCSD 720-13 Matrix: Water	7420/7					C	lient Sam	ple ID: I	Lab Control Sample I Prep Type: Total

Analysis Batch: 137420

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	25.0	26.6		ug/L		106	62 - 130	6	20
Acetone	125	114		ug/L		91	26 - 180	5	30
Benzene	25.0	24.9		ug/L		100	79 - 130	1	20
Dichlorobromomethane	25.0	26.9		ug/L		107	70 - 130	3	20
Bromobenzene	25.0	24.8		ug/L		99	70 - 130	3	20
Chlorobromomethane	25.0	26.3		ug/L		105	70 - 130	4	20
Bromoform	25.0	25.9		ug/L		104	68 - 136	6	20
Bromomethane	25.0	24.1		ug/L		96	43 - 151	4	20
2-Butanone (MEK)	125	117		ug/L		93	54 - 130	7	20
n-Butylbenzene	25.0	22.6		ug/L		91	70 - 142	3	20
sec-Butylbenzene	25.0	23.0		ug/L		92	70 - 134	1	20
tert-Butylbenzene	25.0	23.3		ug/L		93	70 - 135	2	20
Carbon disulfide	25.0	22.8		ug/L		91	58 - 130	1	20
Carbon tetrachloride	25.0	23.1		ug/L		92	70 - 146	2	20
Chlorobenzene	25.0	24.8		ug/L		99	70 - 130	1	20
Chloroethane	25.0	23.4		ug/L		94	62 - 138	2	20
Chloroform	25.0	25.6		ug/L		102	70 - 130	2	20
Chloromethane	25.0	21.4		ug/L		86	52 - 175	11	20
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130	1	20
4-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130	1	20
Chlorodibromomethane	25.0	24.1		ug/L		96	70 - 145	4	20

TestAmerica Job ID: 720-49998-1

Prep Type: Total/NA

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Client Sample ID: Lab Control Sample Dup

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCSD 720-137420/7 Matrix: Water Analysis Batch: 137420

Analysis Batch: 137420		1000							PDD
Analyte	Spike Added		LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130	1	20
1,3-Dichloropropane	25.0	26.3		ug/L		105	70 - 130	4	20
1,1-Dichloropropene	25.0	26.9		ug/L		108	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	20.4		ug/L		82	70 - 136	7	20
Ethylene Dibromide	25.0	26.7		ug/L		107	70 - 130	3	20
Dibromomethane	25.0	26.0		ug/L		104	70 - 130	3	20
Dichlorodifluoromethane	25.0	18.4		ug/L		74	34 - 132	6	20
1,1-Dichloroethane	25.0	24.1		ug/L		97	70 - 130	0	20
1,2-Dichloroethane	25.0	25.1		ug/L		100	61 - 132	2	20
1,1-Dichloroethene	25.0	21.7		ug/L		87	64 - 128	4	20
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	68 - 130	3	20
1,2-Dichloropropane	25.0	25.9		ug/L		104	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	28.5		ug/L		114	70 - 130	3	20
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	70 - 140	3	20
Ethylbenzene	25.0	24.7		ug/L		99	80 - 120	1	20
Hexachlorobutadiene	25.0	19.3		ug/L		77	70 - 130	3	20
2-Hexanone	125	108		ug/L		87	60 - 164	7	20
Isopropylbenzene	25.0	25.5		ug/L		102	70 - 130	0	20
	25.0	22.5					70 - 130		
4-Isopropyltoluene	25.0	22.5		ug/L		90 97	70 - 130	2	20
Methylene Chloride				ug/L				2	20
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	58 - 130	6	20
Naphthalene	25.0	22.6		ug/L		90	70 - 130	11	20
N-Propylbenzene	25.0	23.8		ug/L		95	70 - 130	1	20
Styrene	25.0	25.7		ug/L		103	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 130	2	20
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	70 - 130	3	20
Tetrachloroethene	25.0	25.1		ug/L		100	70 - 130	3	20
Toluene	25.0	24.9		ug/L		100	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	22.8		ug/L		91	70 - 130	8	20
1,2,4-Trichlorobenzene	25.0	22.9		ug/L		91	70 - 130	6	20
1,1,1-Trichloroethane	25.0	24.6		ug/L		99	70 - 130	2	20
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	70 - 130	3	20
Trichloroethene	25.0	26.0		ug/L		104	70 - 130	2	20
Trichlorofluoromethane	25.0	22.5		ug/L		90	66 - 132	0	20
1,2,3-Trichloropropane	25.0	24.1		ug/L		96	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	22.4		ug/L		90	42 - 162	2	20
ne	05.0								
1,2,4-Trimethylbenzene	25.0	24.4		ug/L		98	70 - 132	1	20
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 130	0	20
Vinyl acetate	25.0	28.5		ug/L		114	43 - 163	3	20
Vinyl chloride	25.0	21.7		ug/L		87	54 - 135	1	20
m-Xylene & p-Xylene	50.0	47.3		ug/L		95	70 - 142	0	20
o-Xylene	25.0	25.9		ug/L		104	70 - 130	1	20
2,2-Dichloropropane	25.0	27.5		ug/L		110	70 - 140	3	20

#### TestAmerica Job ID: 720-49998-1

Prep Type: Total/NA

2

20

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Lab Control Sample Dup

62 - 120

101

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-137420/7
Matrix: Water
Analysis Batch: 137420

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	110		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		75 - 138
Toluene-d8 (Surr)	103		70 - 130

#### Lab Sample ID: LCSD 720-137420/9 Matrix: Water

Analysis Batch: 137420

Analyte

Prep Type: Total/NA Spike LCSD LCSD %Rec. RPD Added Result Qualifier Unit D %Rec Limits RPD Limit

503

ug/L

500

Gasoline Range Organics (GRO)	
-C5-C12	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	106		70 - 130

# Lab Sample ID: 720-49925-B-1 MS

Matrix: Water Analysis Batch: 137420

	Sample	Sample	Spike	MS	MS				%Rec.
Anałyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Methyl tert-butyl ether	1.0		25.0	30.7		ug/L		119	60 - 138
Acetone	ND		125	99.7		ug/L		80	60 - 140
Benzene	ND		25.0	28.3		ug/L		113	60 - 140
Dichlorobromomethane	ND		25.0	30.1		ug/L		120	60 - 140
romobenzene	ND		25.0	28.1		ug/L		112	60 - 140
Chlorobromomethane	ND		25.0	29.7		ug/L		119	60 - 140
romoform	ND		25.0	27.0		ug/L		108	56 - 140
romomethane	ND		25.0	27.9		ug/L		112	23 - 140
-Butanone (MEK)	ND		125	110		ug/L		88	60 - 140
-Butylbenzene	ND		25.0	25.4		ug/L		101	60 - 140
ec-Butylbenzene	ND		25.0	25.1		ug/L		99	60 - 140
ert-Butylbenzene	ND		25.0	25.9		ug/L		104	60 - 140
arbon disulfide	ND		25.0	27.4		ug/L		110	38 - 140
arbon tetrachloride	ND		25.0	25.6		ug/L		102	60 - 140
Chlorobenzene	ND		25.0	27.5		ug/L		110	60 - 140
Chloroethane	ND		25.0	28.0		ug/L		112	51 - 140
Chloroform	ND		25.0	28.5		ug/L		114	60 - 140
Chloromethane	ND		25.0	25.0		ug/L		100	52 - 140
-Chlorotoluene	ND		25.0	29.0		ug/L		116	60 - 140
-Chlorotoluene	ND		25.0	29.1		ug/L		116	60 - 140
Chlorodibromomethane	ND		25.0	26.8		ug/L		107	60 - 140
,2-Dichlorobenzene	ND		25.0	27.1		ug/L		108	60 - 140
,3-Dichlorobenzene	ND		25.0	28.5		ug/L		114	60 - 140
,4-Dichlorobenzene	ND		25.0	27.8		ug/L		111	60 - 140
,3-Dichloropropane	ND		25.0	28.6		ug/L		114	60 - 140
1,1-Dichloropropene	ND		25.0	29.7		ug/L		119	60 - 140

TestAmerica Pleasanton

Client Sample ID: Matrix Spike Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49925-B-1 MS Matrix: Water Analysis Batch: 137420

Analyte		Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,2-Dibromo-3-Chloropropane	ND		25.0	19.9		ug/L		80	60 - 140	
Ethylene Dibromide	ND		25.0	29.5		ug/L		118	60 - 140	
Dibromomethane	ND		25.0	28.7		ug/L		115	60 - 140	
Dichlorodifluoromethane	ND		25.0	22.0		ug/L		88	38 - 140	
1,1-Dichloroethane	ND		25.0	26.9		ug/L		108	60 - 140	
1,2-Dichloroethane	ND		25.0	27.4		ug/L		109	60 - 140	
1,1-Dichloroethene	ND		25.0	24.1		ug/L		95	60 - 140	
cis-1,2-Dichloroethene	ND		25.0	29.0		ug/L		116	60 - 140	
trans-1,2-Dichloroethene	ND		25.0	27.8		ug/L		111	60 - 140	
1,2-Dichloropropane	ND		25.0	30.3		ug/L		121	60 - 140	
cis-1,3-Dichloropropene	ND		25.0	32.4		ug/L		130	60 - 140	
trans-1,3-Dichloropropene	ND		25.0	27.9		ug/L		112	60 - 140	
Ethylbenzene	ND		25.0	26.6		ug/L		106	60 - 140	
Hexachlorobutadiene	ND		25.0	23.0		ug/L		91	60 - 140	
2-Hexanone	ND		125	104		ug/L		83	60 - 140	
Isopropylbenzene	ND		25.0	27.0		ug/L		107	60 - 140	
4-Isopropyltoluene	ND		25.0	25.5		ug/L		101	60 - 140	
Methylene Chloride	ND		25.0	27.0		ug/L		108	40 - 140	
4-Methyl-2-pentanone (MIBK)	ND		125	119		ug/L		95	58 - 130	
Naphthalene	ND		25.0	22.9		ug/L		89	56 - 140	
N-Propylbenzene	ND		25.0	26.0		ug/L		103	60 - 140	
Styrene	ND		25.0	27.6		ug/L		109	60 - 140	
1,1,1,2-Tetrachloroethane	ND		25.0	29.1		ug/L		116	60 - 140	
1,1,2,2-Tetrachloroethane	ND		25.0	22.5		ug/L		90	60 - 140	
Tetrachloroethene	ND		25.0	29.4		ug/L		117	60 - 140	
Toluene	ND		25.0	26.8		ug/L		107	60 - 140	
1,2,3-Trichlorobenzene	ND		25.0	25.2		ug/L		99	60 - 140	
1,2,4-Trichlorobenzene	ND		25.0	26.0		ug/L		102	60 - 140	
1,1,1-Trichloroethane	ND	19	25.0	27.2		ug/L		109	60 - 140	
1,1,2-Trichloroethane	ND		25.0	28.6		ug/L		115	60 - 140	
Trichloroethene	51		25.0	98.0		ug/L		187	60 - 140	
Trichlorofluoromethane	ND		25.0	26.4		ug/L		106	60 - 140	
1,2,3-Trichloropropane	ND		25.0	23.6		ug/L		95	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroetha	0.61		25.0	26.4		ug/L		103	60 - 140	
1,2,4-Trimethylbenzene	ND		25.0	27.3		ug/L		109	60 - 140	
1,3,5-Trimethylbenzene	ND		25.0	26.7		ug/L		107	60 - 140	
Vinyl acetate	ND		25.0	33.0		ug/L		132	40 - 140	
Vinyl chloride	ND		25.0	24.9		ug/L		99	58 - 140	
m-Xylene & p-Xylene	ND		50.0	50.5		ug/L		101	60 - 140	
o-Xylene	ND		25.0	27.4		ug/L		110	60 - 140	
2,2-Dichloropropane	ND		25.0	30.3		ug/L		121	60 - 140	
	MS									
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	106		67 - 130							
1,2-Dichloroethane-d4 (Surr)	94		75 - 138							
Toluene-d8 (Surr)	106		70 - 130							

Prep Type: Total/NA

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Client Sample ID: Matrix Spike Duplicate

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

# Lab Sample ID: 720-49925-B-1 MSD Matrix: Water

Analysis Batch: 137420	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	1.0		25.0	32.0		ug/L		124	60 - 138	4	20
Acetone	ND		125	102		ug/L		82	60 - 140	2	20
Benzene	ND		25.0	27.9		ug/L		112	60 - 140	1	20
Dichlorobromomethane	ND		25.0	31.2		ug/L		125	60 - 140	4	20
Bromobenzene	ND		25.0	27.6		ug/L		110	60 - 140	2	20
Chlorobromomethane	ND		25.0	30.8		ug/L		123	60 - 140	4	20
Bromoform	ND		25.0	26.7		ug/L		107	56 - 140	1	20
Bromomethane	ND		25.0	28.3		ug/L		113	23 - 140	1	20
2-Butanone (MEK)	ND		125	114		ug/L		91	60 - 140	4	20
n-Butylbenzene	ND		25.0	23.3		ug/L		93	60 - 140	8	20
sec-Butylbenzene	ND		25.0	23.5		ug/L		93	60 - 140	7	20
tert-Butylbenzene	ND		25.0	24.5		ug/L		98	60 - 140	6	20
Carbon disulfide	ND		25.0	27.5		ug/L		110	38 - 140	0	20
Carbon tetrachloride	ND		25.0	24.4		ug/L		98	60 - 140	5	20
Chlorobenzene	ND		25.0	25.9		ug/L		104	60 - 140	6	20
Chloroethane	ND		25.0	28.1		ug/L		113	51 - 140	0	20
Chloroform	ND		25.0	28.1		ug/L		113	60 - 140	1	20
Chloromethane	ND		25.0	25.5		ug/L		102	52 - 140	2	20
2-Chlorotoluene	ND		25.0	27.5		ug/L		110	60 - 140	5	20
4-Chlorotoluene	ND		25.0	27.5		ug/L		110	60 - 140	6	20
Chlorodibromomethane	ND		25.0	27.9		ug/L		112	60 - 140	4	20
1,2-Dichlorobenzene	ND		25.0	26.3		ug/L		105	60 - 140	3	20
1,3-Dichlorobenzene	ND		25.0	27.5		ug/L		110	60 - 140	3	20
1,4-Dichlorobenzene	ND		25.0	26.9		ug/L		108	60 - 140	3	20
1,3-Dichloropropane	ND		25.0	29.4		ug/L		118	60 - 140	3	20
1,1-Dichloropropene	ND		25.0	28.4		ug/L		114	60 - 140	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	20.1		ug/L		80	60 - 140	1	20
Ethylene Dibromide	ND		25.0	31.0		ug/L		124	60 - 140	5	20
Dibromomethane	ND		25.0	28.8		ug/L		115	60 - 140	0	20
Dichlorodifluoromethane	ND		25.0	21.7		ug/L		86	38 - 140	2	20
1,1-Dichloroethane	ND		25.0	26.8		ug/L		107	60 - 140	0	20
1,2-Dichloroethane	ND		25.0	28.5		ug/L		114	60 - 140	4	20
1,1-Dichloroethene	ND		25.0	23.2		ug/L		91	60 - 140	4	20
cis-1,2-Dichloroethene	ND		25.0	29.2		ug/L		117	60 - 140	1	20
trans-1,2-Dichloroethene	ND		25.0	27.3		ug/L		109	60 - 140	2	20
1,2-Dichloropropane	ND		25.0	30.1		ug/L		120	60 - 140	1	20
cis-1,3-Dichloropropene	ND		25.0	32.9		ug/L		132	60 - 140	2	20
trans-1,3-Dichloropropene	ND		25.0	28.6		ug/L		114	60 - 140	3	20
Ethylbenzene	ND		25.0	24.5		ug/L		98	60 - 140	8	20
Hexachlorobutadiene	ND		25.0	21.8		ug/L		86	60 - 140	5	20
2-Hexanone	ND		125	110		ug/L		88	60 - 140	6	20
Isopropylbenzene	ND		25.0	24.7		ug/L		98	60 - 140	9	20
4-Isopropyltoluene	ND		25.0	23.7		ug/L		94	60 - 140	8	20
Methylene Chloride	ND		25.0	26.8		ug/L		107	40 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	125		ug/L		100	58 - 130	5	20
Naphthalene	ND		25.0	23.0		ug/L		90	56 - 140	1	20
N-Propylbenzene	ND		25.0	24.4		ug/L		97	60 - 140	6	20
Styrene	ND		25.0	25.9		ug/L		102	60 - 140	6	20

**Client Sample ID: Matrix Spike Duplicate** 

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49925-B-1 MSD Matrix: Water Analysis Batch: 137420

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
1,1,1,2-Tetrachloroethane	ND		25.0	28.2		ug/L		113	60 - 140	3	20	
1,1,2,2-Tetrachloroethane	ND		25.0	22.5		ug/L		90	60 - 140	0	20	ą
Tetrachloroethene	ND		25.0	28.4		ug/L		114	60 - 140	3	20	
Toluene	ND		25.0	24.8		ug/L		99	60 - 140	8	20	1
1,2,3-Trichlorobenzene	ND		25.0	25.1		ug/L		98	60 - 140	1	20	
1,2,4-Trichlorobenzene	ND		25.0	25.6		ug/L		100	60 - 140	1	20	
1,1,1-Trichloroethane	ND		25.0	26.0		ug/L		104	60 - 140	5	20	
1,1,2-Trichloroethane	ND		25.0	29.4		ug/L		118	60 - 140	3	20	
Trichloroethene	51		25.0	94.6	F	ug/L		173	60 - 140	4	20	
Trichlorofluoromethane	ND		25.0	26.1		ug/L		104	60 - 140	1	20	
1,2,3-Trichloropropane	ND		25.0	24.6		ug/L		98	60 - 140	4	20	
1,1,2-Trichloro-1,2,2-trifluoroetha	0.61		25.0	25.1		ug/L		98	60 - 140	5	20	
ne												
1,2,4-Trimethylbenzene	ND		25.0	25.7		ug/L		103	60 - 140	6	20	
1,3,5-Trimethylbenzene	ND		25.0	25.2		ug/L		101	60 - 140	6	20	
Vinyl acetate	ND		25.0	34.0		ug/L		136	40 - 140	. 3	20	
Vinyl chloride	ND		25.0	24.2		ug/L		97	58 - 140	3	20	
m-Xylene & p-Xylene	ND		50.0	46.7		ug/L		93	60 - 140	8	20	
o-Xylene	ND		25.0	25.5		ug/L		102	60 - 140	8	20	
2,2-Dichloropropane	ND		25.0	29.1		ug/L		116	60 - 140	4	20	
	MSD	MSD										

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	104		67 - 130
1,2-Dichloroethane-d4 (Surr)	104		75 - 138
Toluene-d8 (Surr)	106		70 - 130

#### Lab Sample ID: MB 720-137421/5

Matrix: Water Analysis Batch: 137421

MB MB **Result Qualifier** MDL Unit Prepared Analyzed Dil Fac Analyte RL D ND 0.50 ug/L 05/31/13 08:28 Methyl tert-butyl ether 1 05/31/13 08:28 Acetone ND 50 ug/L 1 ND 0.50 ug/L 05/31/13 08:28 1 Benzene 05/31/13 08:28 ND 0.50 ug/L Dichlorobromomethane 1 05/31/13 08:28 ND 1.0 ug/L 1 Bromobenzene Chlorobromomethane ND 1.0 ug/L 05/31/13 08:28 1 1.0 05/31/13 08:28 Bromoform ND ug/L 1 1.0 05/31/13 08:28 ND Bromomethane ug/L 1 2-Butanone (MEK) ND 50 ug/L 05/31/13 08:28 1 ND 1.0 ug/L 05/31/13 08:28 n-Butylbenzene 1 ND 1.0 ug/L 05/31/13 08:28 sec-Butylbenzene 1 tert-Butylbenzene ND 1.0 ug/L 05/31/13 08:28 1 Carbon disulfide ND 5.0 ug/L 05/31/13 08:28 1 Carbon tetrachloride ND 0.50 ug/L 05/31/13 08:28 1 Chlorobenzene ND 0.50 ug/L 05/31/13 08:28 1 Chloroethane ND 1.0 ug/L 05/31/13 08:28 1 Chloroform ND 1.0 ug/L 05/31/13 08:28 1

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**Client Sample ID: Method Blank** Prep Type: Total/NA

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-137421/5 Matrix: Water Analysis Batch: 137421 Client Sample ID: Method Blank Prep Type: Total/NA

Analysis Batch: 137421									
<i>*</i>		MB							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			05/31/13 08:28	1
2-Chlorotoluene	ND		0.50		ug/L			05/31/13 08:28	1
4-Chlorotoluene	ND		0.50		ug/L			05/31/13 08:28	1
Chlorodibromomethane	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,3-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,4-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,3-Dichloropropane	ND		1.0		ug/L			05/31/13 08:28	1
1,1-Dichloropropene	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/31/13 08:28	1
Ethylene Dibromide	ND		0.50		ug/L			05/31/13 08:28	1
Dibromomethane	ND		0.50		ug/L			05/31/13 08:28	1
Dichlorodifluoromethane	ND		0.50		ug/L			05/31/13 08:28	1
1,1-Dichloroethane	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dichloroethane	ND		0.50		ug/L			05/31/13 08:28	1
1.1-Dichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
1,2-Dichloropropane	ND		0.50		ug/L			05/31/13 08:28	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 08:28	1
trans-1,3-Dichloropropene	ND		0.50					05/31/13 08:28	1
	ND				ug/L				1
Ethylbenzene			0.50		ug/L			05/31/13 08:28	1
Hexachlorobutadiene	ND		1.0		ug/L			05/31/13 08:28	
2-Hexanone	ND		50		ug/L			05/31/13 08:28	1
Isopropylbenzene	ND		0.50		ug/L			05/31/13 08:28	1
4-Isopropyltoluene	ND		1.0		ug/L			05/31/13 08:28	1
Methylene Chloride	ND		5.0		ug/L			05/31/13 08:28	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			05/31/13 08:28	1
Naphthalene	ND		1.0		ug/L			05/31/13 08:28	1
N-Propylbenzene	ND		1.0		ug/L			05/31/13 08:28	1
Styrene	ND		0.50		ug/L			05/31/13 08:28	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 08:28	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 08:28	1
Tetrachloroethene	ND		0.50		ug/L			05/31/13 08:28	1
Toluene	ND		0.50		ug/L			05/31/13 08:28	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 08:28	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 08:28	1
1,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 08:28	1
1,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 08:28	1
Trichloroethene	ND		0.50		ug/L			05/31/13 08:28	1
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 08:28	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 08:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 08:28	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 08:28	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 08:28	1
√inyl acetate	ND		10		ug/L			05/31/13 08:28	1
√inyl chloride	ND		0.50		ug/L			05/31/13 08:28	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 08:28	1

TestAmerica Job ID: 720-49998-1

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

						Client S	ample ID: Metho	d Blank	
							Prep Type: 1	Total/NA	
MB	MB								
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
ND		0.50		ug/L			05/31/13 08:28	1	
ND		50		ug/L			05/31/13 08:28	1	i.
MB	MB								f
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
107		67 - 130					05/31/13 08:28	1	
116		75 - 138					05/31/13 08:28	1	
102		70 - 130					05/31/13 08:28	1	
	Result ND ND %Recovery 107 116	ResultQualifierNDNDNDMB%RecoveryQualifier107116	Result         Qualifier         RL           ND         0.50           ND         50           MB         MB           %Recovery         Qualifier         Limits           107         67 - 130           116         75 - 138	Result         Qualifier         RL         MDL           ND         0.50         50           ND         50         50           MB         MB         Limits           %Recovery         Qualifier         Limits           107         67 - 130           116         75 - 138	Result         Qualifier         RL         MDL         Unit           ND         0.50         ug/L           ND         50         ug/L           MB              %Recovery         Qualifier         Limits           107         67 - 130            116         75 - 138	Result         Qualifier         RL         MDL         Unit         D           ND         0.50         ug/L         ug/L         ug/L           ND         50         ug/L         ug/L           MB         Kale         Kale         Kale         Kale           107         67 - 130         116         75 - 138         Kale	MB         MB         Unit         D         Prepared           ND         0.50         ug/L                                                                                                               <	MB         MB         D         Prep Type: 1           MB         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           ND         0.50         ug/L         05/31/13 08:28         05/31/13 08:28           ND         50         ug/L         05/31/13 08:28           MB         MB         Prepared         Analyzed           %Recovery         Qualifier         Limits         Prepared         Analyzed           107         67 - 130         05/31/13 08:28         05/31/13 08:28           116         75 - 138         05/31/13 08:28         05/31/13 08:28	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         Dil Fac           ND         0.50         ug/L         05/31/13 08:28         1           ND         50         ug/L         05/31/13 08:28         1           MB         MB         Prepared         Analyzed         Dil Fac           %Recovery         Qualifier         Limits         Prepared         Analyzed         Dil Fac           107         67 - 130         05/31/13 08:28         1           116         75 - 138         05/31/13 08:28         1

Spike

Added

25.0

LCS LCS

24.9

**Result Qualifier** 

Unit

ug/L

D

%Rec

99

#### Lab Sample ID: LCS 720-137421/6

Matrix: Water

Methyl tert-butyl ether

Analyte

Analysis Batch: 137421

Client Sample ID: Lab Control Sample Prep Type: Total/NA

%Rec.

Limits

62 - 130

Acetone	125	93.2	ug/L	75	26 - 180	
Benzene	25.0	23.6	ug/L	94	79 - 130	
Dichlorobromomethane	25.0	28.6	ug/L	114	70 - 130	
Bromobenzene	25.0	26.1	ug/L	105	70 <u>-</u> 130 ·	
Chlorobromomethane	25.0	27.1	ug/L	108	70 - 130	
Bromoform	25.0	26.7	ug/L	107	68 - 136	
Bromomethane	25.0	25.8	ug/L	103	43 - 151	
2-Butanone (MEK)	125	100	ug/L	80	54 ₋ 130	
n-Butylbenzene	25.0	24.7	ug/L	99	70 - 142	
sec-Butylbenzene	25.0	25.2	ug/L	101	70 - 134	
tert-Butylbenzene	25.0	25.9	ug/L	103	70 - 135	
Carbon disulfide	25.0	20.7	ug/L	83	58 - 130	
Carbon tetrachloride	25.0	31.1	ug/L	125	70 - 146	
Chlorobenzene	25.0	26.0	ug/L	104	70 - 130	
Chloroethane	25.0	23.6	ug/L	94	62 - 138	
Chloroform	25.0	27.2	ug/L	109	70 - 130	
Chloromethane	25.0	19.5	ug/L	78	52 - 175	
2-Chlorotoluene	25.0	25.8	ug/L	103	70 - 130	
4-Chlorotoluene	25.0	25.5	ug/L	102	70 - 130	
Chlorodibromomethane	25.0	28.1	ug/L	112	70 - 145	
1,2-Dichlorobenzene	25.0	25.7	ug/L	103	70 - 130	
1,3-Dichlorobenzene	25.0	26.2	ug/L	105	70 - 130	
1,4-Dichlorobenzene	25.0	25.7	ug/L	103	70 - 130	
1,3-Dichloropropane	25.0	26.4	ug/L	106	70 - 130	
1,1-Dichloropropene	25.0	27.0	ug/L	108	70 - 130	
1,2-Dibromo-3-Chloropropane	25.0	24.7	ug/L	99	70 - 136	
Ethylene Dibromide	25.0	27.2	ug/L	109	70 - 130	
Dibromomethane	25.0	26.8	ug/L	107	70 - 130	
Dichlorodifluoromethane	25.0	19.8	ug/L	79	34 - 132	
1,1-Dichloroethane	25.0	25.2	ug/L	101	70 - 130	
1,2-Dichloroethane	25.0	28.0	ug/L	112	61 - 132	
1,1-Dichloroethene	25.0	21.7	ug/L	87	64 - 128	
cis-1,2-Dichloroethene	25.0	26.3	ug/L	105	70 - 130	

7

Client Sample ID: Lab Control Sample

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCS 720-137421/6 Matrix: Water Analysis Batch: 137421

Analysis Baten. 107421			Spike	LCS	LCS				%Rec.	
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	
trans-1,2-Dichloroethene			25.0	24.2		ug/L		97	68 - 130	
1,2-Dichloropropane			25.0	25.2		ug/L		101	70 - 130	
cis-1,3-Dichloropropene			25.0	28.5		ug/L		114	70 - 130	
trans-1,3-Dichloropropene			25.0	28.3		ug/L		113	70 - 140	
Ethylbenzene			25.0	24.4		ug/L		97	80 - 120	
Hexachlorobutadiene			25.0	25.8		ug/L		103	70 - 130	
2-Hexanone			125	96.9		ug/L		77	60 - 164	
Isopropylbenzene			25.0	25.5		ug/L		102	70 - 130	
4-Isopropyltoluene			25.0	25.6		ug/L		102	70 - 130	
Methylene Chloride			25.0	23.9		ug/L		96	70 - 147	
4-Methyl-2-pentanone (MIBK)			125	103		ug/L		82	58 - 130	
Naphthalene			25.0	22.2		ug/L		89	70 - 130	
N-Propylbenzene			25.0	25.9		ug/L		103	70 - 130	
Styrene			25.0	25.0		ug/L		100	70 - 130	
1,1,1,2-Tetrachloroethane			25.0	28.6		ug/L		114	70 - 130	
1,1,2,2-Tetrachloroethane			25.0	23.2		ug/L		93	70 - 130	
Tetrachloroethene			25.0	28.2		ug/L		113	70 - 130	
Toluene			25.0	24.0		ug/L		96	78 - 120	
1,2,3-Trichlorobenzene			25.0	24.7		ug/L		99	70 - 130	
1,2,4-Trichlorobenzene			25.0	26.0		ug/L		104	70 - 130	
1,1,1-Trichloroethane			25.0	29.6		ug/L		119	70 - 130	
1,1,2-Trichloroethane			25.0	25.3		ug/L		101	70 - 130	
Trichloroethene			25.0	26.1		ug/L		104	70 - 130	
Trichlorofluoromethane			25.0	27.5		ug/L		110	66 - 132	
1,2,3-Trichloropropane			25.0	25.0		ug/L		100	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroetha			25.0	27.3		ug/L		109	42 - 162	
ne										
1,2,4-Trimethylbenzene			25.0	25.4		ug/L		102	70 - 132	
1,3,5-Trimethylbenzene			25.0	25.6		ug/L		103	70 - 130	
Vinyl acetate			25.0	24.9		ug/L		100	43 - 163	
Vinyl chloride			25.0	22.4		ug/L		90	54 - 135	
m-Xylene & p-Xylene			50.0	50.2		ug/L		100	70 - 142	
o-Xylene			25.0	25.6		ug/L		102	70 - 130	
2,2-Dichloropropane			25.0	34.5		ug/L		138	70 - 140	
	LCS	LCS								
Surrogate	%Recovery		Limits							
4-Bromofluorobenzene	102	-	67 - 130							

<b>Client Sample</b>	ID: Lab Control Sample
	Prep Type: Total/NA

Analysis Batch: 137421							
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)	500	485		ug/L		97	62 - 120

75 - 138

70 - 130

112

104

-C5-C12

1,2-Dichloroethane-d4 (Surr)

Lab Sample ID: LCS 720-137421/8

Toluene-d8 (Surr)

Matrix: Water

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-137421/8 Matrix: Water Analysis Batch: 137421

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	106		67 - 130
1,2-Dichloroethane-d4 (Surr)	116		75 - 138
Toluene-d8 (Surr)	104		70 - 130

#### Lab Sample ID: LCSD 720-137421/7 Matrix: Water

Analysis Batch: 137/21

Client Sample ID: Lab Control Sample Prep Type: Total/NA

#### Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Analysis Batch: 137421									
	Spike		LCSD				%Rec.		RPD
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	25.0	26.9		ug/L		108	62 - 130	8	20
Acetone	125	109		ug/L		87	26 - 180	15	30
Benzene	25.0	23.7		ug/L		95	79 - 130	0	20
Dichlorobromomethane	25.0	29.4		ug/L		118	70 - 130	3	20
Bromobenzene	25.0	26.0		ug/L		104	70 - 130	1	20
Chlorobromomethane	25.0	27.7		ug/L		111	70 - 130	2	20
Bromoform	25.0	29.6		ug/L		119	68 - 136	10	20
Bromomethane	25.0	26.8		ug/L		107	43 - 151	4	20
2-Butanone (MEK)	125	119		ug/L		95	54 - 130	17	20
n-Butylbenzene	25.0	23.8		ug/L		95	70 - 142	4	20
sec-Butylbenzene	25.0	24.5		ug/L		98	70 - 134	3	20
tert-Butylbenzene	25.0	25.1		ug/L		100	70 - 135	3	20
Carbon disulfide	25.0	21.1		ug/L		84	58 - 130	2	20
Carbon tetrachloride	25.0	31.1		ug/L		124	70 - 146	0	20
Chlorobenzene	25.0	26.1		ug/L		104	70 - 130	0	20
Chloroethane	25.0	24.4		ug/L		98	62 - 138	3	20
Chloroform	25.0	27.2		ug/L		109	70 - 130	0	20
Chloromethane	25.0	19.6		ug/L		78	52 - 175	0	20
2-Chlorotoluene	25.0	25.6		ug/L		103	70 - 130	1	20
4-Chlorotoluene	25.0	24.9		ug/L		100	70 - 130	2	20
Chlorodibromomethane	25.0	29.7		ug/L		119	70 - 145	6	20
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130	0	20
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130	2	20
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130	0	20
1,3-Dichloropropane	25.0	28.1		ug/L		112	70 - 130	6	20
1,1-Dichloropropene	25.0	26.9		ug/L		108	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	26.2		ug/L		105	70 - 136	6	20
Ethylene Dibromide	25.0	28.8		ug/L		115	70 - 130	6	20
Dibromomethane	25.0	27.6		ug/L		111	70 - 130	3	20
Dichlorodifluoromethane	25.0	19.7		ug/L		79	34 - 132	1	20
1,1-Dichloroethane	25.0	25.3		ug/L		101	70 - 130	0	20
1,2-Dichloroethane	25.0	28.9		ug/L		116	61 - 132	3	20
1,1-Dichloroethene	25.0	21.6		ug/L		87	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	70 - 130	0	20
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	68 - 130	0	20
1,2-Dichloropropane	25.0	25.4		ug/L		102	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	29.0		ug/L		116	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	29.4		ug/L		118	70 - 140	4	20
Ethylbenzene	25.0	24.4		ug/L		98	80 - 120	0	20
Luybenzene	20.0	2-7.4		ug/L		50	50 - 120	U	20

Client Sample ID: Lab Control Sample Dup

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCSD 720-137421/7 Matrix: Water Analysis Batch: 137421

Analysis Daton. 191421	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Hexachlorobutadiene	25.0	24.6		ug/L		99	70 - 130	5	20	
2-Hexanone	125	115		ug/L		92	60 - 164	18	20	
Isopropylbenzene	25.0	25.5		ug/L		102	70 - 130	0	20	
4-Isopropyltoluene	25.0	24.9		ug/L		100	70 - 130	3	20	r,
Methylene Chloride	25.0	24.2		ug/L		97	70 - 147	1	20	
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	58 - 130	13	20	
Naphthalene	25.0	23.0		ug/L		92	70 - 130	3	20	
N-Propylbenzene	25.0	25.4		ug/L		101	70 - 130	2	20	
Styrene	25.0	25.5		ug/L		102	70 - 130	2	20	
1,1,1,2-Tetrachloroethane	25.0	29.2		ug/L		117	70 - 130	2	20	
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	70 - 130	8	20	
Tetrachloroethene	25.0	27.4		ug/L		110	70 - 130	3	20	
Toluene	25.0	23.9		ug/L		95	78 - 120	1	20	
1,2,3-Trichlorobenzene	25.0	24.6		ug/L		98	70 - 130	1	20	
1,2,4-Trichlorobenzene	25.0	25.3		ug/L		101	70 - 130	3	20	
1,1,1-Trichloroethane	25.0	29.7		ug/L		119	70 - 130	0	20	
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	70 - 130	6	20	
Trichloroethene	25.0	25.8		ug/L		103	70 - 130	1	20	
Trichlorofluoromethane	25.0	27.3		ug/L		109	66 - 132	1	20	
1,2,3-Trichloropropane	25.0	27.4		ug/L		110	70 - 130	9	20	
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	26.9		ug/L		108	42 - 162	2	20	
ne										
1,2,4-Trimethylbenzene	25.0	24.9		ug/L		100	70 - 132	2	20	
1,3,5-Trimethylbenzene	25.0	25.0		ug/L		100	70 - 130	3	20	
Vinyl acetate	25.0	27.3		ug/L		109	43 - 163	9	20	
Vinyl chloride	25.0	22.8		ug/L		91	54 - 135	1	20	
m-Xylene & p-Xylene	50.0	50.3		ug/L		101	70 - 142	0	20	
o-Xylene	25.0	25.9		ug/L		104	70 - 130	1	20	
2,2-Dichloropropane	25.0	34.2		ug/L		137	70 - 140	1	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	116		75 - 138
Toluene-d8 (Surr)	103		70 - 130

#### Lab Sample ID: LCSD 720-137421/9 Matrix: Water Analysis Batch: 137421

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Spike	LCSD	LCSD				%Rec.		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
500	466		ug/L		93	62 - 120	4	20
	Added	Added Result	Added Result Qualifier	Added Result Qualifier Unit	Added Result Qualifier Unit D	Added Result Qualifier Unit D %Rec	Added Result Qualifier Unit D %Rec Limits	Added Result Qualifier Unit D %Rec Limits RPD

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	107		67 - 130
1,2-Dichloroethane-d4 (Surr)	116		75-138
Toluene-d8 (Surr)	102		70_130

**Client Sample ID: Matrix Spike** 

Prep Type: Total/NA

7

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49978-B-15 MS Matrix: Water Analysis Batch: 137421

Analysis Datch. 137421	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methyl tert-butyl ether	3.5		25.0	33.6		ug/L		120	60 - 138	
Acetone	ND		125	115		ug/L		79	60 - 140	
Benzene	48		25.0	81.2		ug/L		132	60 - 140	
Dichlorobromomethane	ND		25.0	33.1		ug/L		132	60 - 140	
Bromobenzene	ND		25.0	27.6		ug/L		110	60 - 140	
Chlorobromomethane	ND		25.0	30.7		ug/L		123	60 - 140	
Bromoform	ND		25.0	29.9		ug/L		120	56 - 140	
Bromomethane	ND		25.0	26.8		ug/L		107	23 - 140	
2-Butanone (MEK)	ND		125	114		ug/L		92	60 - 140	
n-Butylbenzene	3.4		25.0	29.6		ug/L		105	60 - 140	
sec-Butylbenzene	2.9		25.0	29.7		ug/L		107	60 - 140	
tert-Butylbenzene	ND		25.0	27.6		ug/L		109	60 - 140	
Carbon disulfide	ND		25.0	24.5		ug/L		98	38 - 140	
Carbon tetrachloride	ND		25.0	32.4		ug/L		130	60 - 140	
Chlorobenzene	ND		25.0	28.5		ug/L		114	60 - 140	
Chloroethane	ND		25.0	26.1		ug/L		104	51 - 140	
Chloroform	ND		25.0	30.0		ug/L		120	60 - 140	
Chloromethane	ND		25.0	19.2		ug/L		77	52 - 140	
2-Chlorotoluene	ND		25.0	28.0		ug/L		112	60 - 140	
4-Chlorotoluene	ND		25.0	27.7		ug/L		111	60 - 140	
Chlorodibromomethane	ND		25.0	32.2		ug/L		129	60 - 140	
1,2-Dichlorobenzene	ND		25.0	27.0		ug/L		108	60 - 140	
1,3-Dichlorobenzene	ND		25.0	28.5		ug/L		114	60 - 140	
1,4-Dichlorobenzene	ND		25.0	27.9		ug/L		111	60 - 140	
1,3-Dichloropropane	ND		25.0	30.2		ug/L		121	60 - 140	
1,1-Dichloropropene	ND		25.0	29.4		ug/L		118	60 - 140	
1,2-Dibromo-3-Chloropropane	ND		25.0	27.5		ug/L		110	60 - 140	
Ethylene Dibromide	ND		25.0	31.1		ug/L		125	60 - 140	
Dibromomethane	ND		25.0	30.6		ug/L		122	60 - 140	
Dichlorodifluoromethane	ND		25.0	20.7		ug/L		83	38 - 140	
1,1-Dichloroethane	ND		25.0	28.4		ug/L		114	60 - 140	
1,2-Dichloroethane	ND		25.0	31.8		ug/L		127	60 - 140	
1,1-Dichloroethene	ND		25.0	23.4		ug/L		94	60 - 140	
cis-1,2-Dichloroethene	ND		25.0	30.0		ug/L		120	60 - 140	
trans-1,2-Dichloroethene	ND		25.0	26.4		ug/L		105	60 - 140	
1,2-Dichloropropane	ND		25.0	29.4		ug/L		117	60 - 140	
cis-1,3-Dichloropropene	ND		25.0	32.3		ug/L		129	60 - 140	
trans-1,3-Dichloropropene	ND		25.0	32.0		ug/L		128	60 - 140	
Ethylbenzene	0.83		25.0	27.0		ug/L		105	60 - 140	
Hexachlorobutadiene	ND		25.0	25.8		ug/L		103	60 - 140	
2-Hexanone	ND		125	112		ug/L		89	60 - 140	
lsopropylbenzene	19		25.0	47.0		ug/L		112	60 _ 140	
4-IsopropyItoluene	ND		25.0	27.5		ug/L		109	60 - 140	
Methylene Chloride	ND		25.0	26.8		ug/L		107	40 - 140	
4-Methyl-2-pentanone (MIBK)	ND		125	116		ug/L		93	58 - 130	
Naphthalene	ND		25.0	23.7		ug/L		93	56 - 140	
N-Propylbenzene	29		25.0	59.1		ug/L		121	60 - 140	
Styrene	ND		25.0	27.3		ug/L		109	60 - 140	

Client Sample ID: Matrix Spike

Prep Type: Total/NA

7

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49978-B-15 MS Matrix: Water Analysis Batch: 137421

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1,2-Tetrachloroethane	ND		25.0	32.1		ug/L		128	60 - 140	
1,1,2,2-Tetrachloroethane	ND		25.0	25.8		ug/L		103	60 - 140	
Tetrachloroethene	ND		25.0	30.3		ug/L		121	60 - 140	
Toluene	3.5		25.0	29.3		ug/L		103	60 - 140	
1,2,3-Trichlorobenzene	ND		25.0	25.7		ug/L		103	60 _ 140	
1,2,4-Trichlorobenzene	ND		25.0	26.9		ug/L		108	60 - 140	
1,1,1-Trichloroethane	ND		25.0	31.5		ug/L		126	60 - 140	
1,1,2-Trichloroethane	ND		25.0	30.9		ug/L		123	60 - 140	
Trichloroethene	ND		25.0	28.4		ug/L		114	60 - 140	
Trichlorofluoromethane	ND		25.0	28.8		ug/L		115	60 - 140	
1,2,3-Trichloropropane	ND		25.0	27.0		ug/L		108	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	28.6		ug/L		114	60 - 140	
ne 1,2,4-Trimethylbenzene	ND		25.0	27.7		ug/L		109	60 - 140	
1,3,5-Trimethylbenzene	ND		25.0	27.8		ug/L		110	60 - 140	
Vinyl acetate	ND		25.0	34.2		ug/L		137	40 - 140	
Vinyl chloride	ND		25.0	24.4		ug/L		98	58 - 140	
m-Xylene & p-Xylene	2.3		50.0	56.4		ug/L		108	60 - 140	
o-Xylene	0.65		25.0	28.5		ug/L		111	60 - 140	
2,2-Dichloropropane	ND		25.0	35.9	F	ug/L		144	60 - 140	
	MS	MS							25	
Surrogate	%Recovery	Qualifier	Limits							

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	111	-	67 - 130
1,2-Dichloroethane-d4 (Surr)	116		75 - 138
Toluene-d8 (Surr)	105		70 - 130

# Lab Sample ID: 720-49978-B-15 MSD

Matrix: Water Analysis Batch: 137421

Analysis Batch: 13/421	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	3.5		25.0	32.9		ug/L		118	60 - 138	2	20
Acetone	ND		125	118		ug/L		81	60 - 140	2	20
Benzene	48		25.0	79.7		ug/L		126	60 - 140	2	20
Dichlorobromomethane	ND		25.0	32.5		ug/L		130	60 - 140	2	20
Bromobenzene	ND		25.0	27.0		ug/L		108	60 - 140	2	20
Chlorobromomethane	ND		25.0	29.7		ug/L		119	60 - 140	3	20
Bromoform	ND		25.0	31.0		ug/L		124	56 - 140	4	20
Bromomethane	ND		25.0	25.8		ug/L		103	23 - 140	4	20
2-Butanone (MEK)	ND		125	112		ug/L		90	60 - 140	2	20
n-Butylbenzene	3.4		25.0	28.6		ug/L		101	60 - 140	3	20
sec-Butylbenzene	2.9		25.0	29.0		ug/L		104	60 - 140	3	20
tert-Butylbenzene	ND		25.0	26.9		ug/L		106	60 - 140	2	20
Carbon disulfide	ND		25.0	23.5		ug/L		94	38 - 140	4	20
Carbon tetrachloride	ND		25.0	31.6		ug/L		126	60 - 140	3	20
Chlorobenzene	ND		25.0	27.4		ug/L		110	60 - 140	4	20
Chloroethane	ND		25.0	26.3		ug/L		105	51 - 140	1	20
Chloroform	ND		25.0	29.3		ug/L		117	60 - 140	2	20

TestAmerica Pleasanton

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

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# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

# Lab Sample ID: 720-49978-B-15 MSD Matrix: Water

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Analysis Batch: 137421											
		Sample	Spike		MSD				%Rec.		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloromethane	ND		25.0	18.9		ug/L		76	52 - 140	2	20
2-Chlorotoluene	ND		25.0	27.1		ug/L		108	60 - 140	3	20
4-Chlorotoluene	ND		25.0	26.8		ug/L		107	60 - 140	3	20
Chlorodibromomethane	ND		25.0	. 32.0		ug/L		128	60 - 140	.1	20
1,2-Dichlorobenzene	ND		25.0	26.6		ug/L		106	60 - 140	2	20
1,3-Dichlorobenzene	ND		25.0	27.2		ug/L		109	60 - 140	5	20
1,4-Dichlorobenzene	ND		25.0	26.9		ug/L		108	60 - 140	3	20
1,3-Dichloropropane	ND		25.0	29.6		ug/L		119	60 - 140	2	20
1,1-Dichloropropene	ND		25.0	28.4		ug/L		113	60 - 140	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	25.7		ug/L		103	60 - 140	7	20
Ethylene Dibromide	ND		25.0	30.6		ug/L		122	60 - 140	2	20
Dibromomethane	ND		25.0	29.9		ug/L		120	60 - 140	2	20
Dichlorodifluoromethane	ND		25.0	21.0		ug/L		84	38 - 140	1	20
1,1-Dichloroethane	ND		25.0	27.5		ug/L		110	60 - 140	4	20
1,2-Dichloroethane	ND		25.0	31.2		ug/L		125	60 - 140	2	20
1,1-Dichloroethene	ND		25.0	22.9		ug/L		92	60 - 140	2	20
cis-1,2-Dichloroethene	ND		25.0	28.7		ug/L		115	60 - 140	4	20
trans-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	60 - 140	4	20
1,2-Dichloropropane	ND		25.0	28.4		ug/L		114	60 - 140	3	20
cis-1,3-Dichloropropene	ND		25.0	31.9		ug/L		128	60 - 140	1	20
trans-1,3-Dichloropropene	ND		25.0	31.5		ug/L		126	60 - 140	2	20
Ethylbenzene	0.83		25.0	26.5		ug/L		103	60 - 140	2	20
Hexachlorobutadiene	ND		25.0	25.0		ug/L		100	60 - 140	3	20
2-Hexanone	ND		125	110		ug/L		88	60 - 140	1	20
Isopropylbenzene	19		25.0	46.4		ug/L		109	60 - 140	1	20
4-Isopropyltoluene	ND		25.0	26.4		ug/L		105	60 - 140	4	20
Methylene Chloride	ND		25.0	26.3		ug/L		105	40 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		125	115		ug/L		92	58 - 130	1	20
Naphthalene	ND		25.0	23.1		ug/L		91	56 - 140	3	20
N-Propylbenzene	29		25.0	57.9		ug/L		116	60 - 140	2	20
Styrene	ND		25.0	26.7		ug/L		107	60 - 140	2	20
1,1,1,2-Tetrachloroethane	ND		25.0	30.7		ug/L		123	60 - 140	4	20
1,1,2,2-Tetrachloroethane	ND		25.0	24.8		ug/L		99	60 - 140	4	20
Tetrachloroethene	ND		25.0	28.9		ug/L		116	60 - 140	5	20
Toluene	3.5		25.0	28.5		ug/L		100	60 - 140	3	20
1,2,3-Trichlorobenzene	ND		25.0	25.0		ug/L		100	60 - 140	3	20
	ND		25.0	25.8		ug/L		103	60 - 140	4	20
1,2,4-Trichlorobenzene	ND		25.0	30.3						4	20
1,1,1-Trichloroethane			25.0	30.3		ug/L		121	60 <u>-</u> 140		
1,1,2-Trichloroethane	ND					ug/L		121	60 - 140	2	20
Trichloroethene	ND		25.0	27.5		ug/L		110	60 - 140	3	20
Trichlorofluoromethane	ND		25.0	28.4		ug/L		113	60 - 140	2	20
1,2,3-Trichloropropane	ND		25.0	26.4		ug/L		105	60 - 140	2	20
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	28.0		ug/L		112	60 - 140	2	20
ne 1,2,4-Trimethylbenzene	ND		25.0	26.9		ug/L		106	60 - 140	3	20
the second s	ND		25.0	26.9		ug/L		107	60 - 140	3	20
1,3,5-Trimethylbenzene											20
											20
Vinyl acetate Vinyl chloride	ND ND		25.0 25.0	31.3 23.8		ug/L ug/L		125 95	40 - 140 58 - 140	9 3	

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49978-B-15 MSD Matrix: Water Analysis Batch: 137421

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

%Rec.

Limits

60 - 140

60 - 140

60 - 140

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Unit

ug/L

ug/L

ug/L

D %Rec

105

109

135

RPD

Limit

20

20

20

RPD

3

2

6

	Sample	Sample	Spike	MSD	MSD	
Analyte	Result	Qualifier	Added	Result	Qualifier	
m-Xylene & p-Xylene	2.3		50.0	55.0		
o-Xylene	0.65		25.0	28.0		
2,2-Dichloropropane	ND		25.0	33.8		
	MSD	MSD				
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene	111		67 - 130			
1,2-Dichloroethane-d4 (Surr)	113		75 - 138			
Toluene-d8 (Surr)	104		70 - 130			

#### Lab Sample ID: MB 720-137422/5 Matrix: Water

Analysis Batch: 137422

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			05/31/13 08:29	1
Acetone	ND		50		ug/L			05/31/13 08:29	1
Benzene	ND		0.50		ug/L			05/31/13 08:29	1
Dichlorobromomethane	ND		0.50		ug/L			05/31/13 08:29	1
Bromobenzene	ND		1.0		ug/L			05/31/13 08:29	.1
Chlorobromomethane	ND		1.0		ug/L			05/31/13 08:29	1
Bromoform	ND		1.0		ug/L			05/31/13 08:29	1
Bromomethane	ND		1.0		ug/L			05/31/13 08:29	1
2-Butanone (MEK)	ND		50		ug/L			05/31/13 08:29	1
n-Butylbenzene	ND		1.0		ug/L			05/31/13 08:29	1
sec-Butylbenzene	ND		1.0		ug/L			05/31/13 08:29	1
tert-Butylbenzene	ND		1.0		ug/L			05/31/13 08:29	1
Carbon disulfide	ND		5.0		ug/L			05/31/13 08:29	1
Carbon tetrachloride	ND		0.50		ug/L			05/31/13 08:29	1
Chlorobenzene	ND		0.50		ug/L			05/31/13 08:29	1
Chloroethane	ND		1.0		ug/L			05/31/13 08:29	1
Chloroform	ND		1.0		ug/L			05/31/13 08:29	1
Chloromethane	ND		1.0		ug/L			05/31/13 08:29	1
2-Chlorotoluene	ND		0.50		ug/L			05/31/13 08:29	1
4-Chlorotoluene	ND		0.50		ug/L			05/31/13 08:29	1
Chlorodibromomethane	ND		0.50		ug/L			05/31/13 08:29	1
1,2-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:29	1
1,3-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:29	1
1,4-Dichlorobenzene	ND		0.50		ug/L			05/31/13 08:29	1
1,3-Dichloropropane	ND		1.0		ug/L			05/31/13 08:29	1
1,1-Dichloropropene	ND		0.50		ug/L			05/31/13 08:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/31/13 08:29	1
Ethylene Dibromide	ND		0.50		ug/L			05/31/13 08:29	1
Dibromomethane	ND		0.50		ug/L			05/31/13 08:29	1
Dichlorodifluoromethane	ND		0.50		ug/L			05/31/13 08:29	1
1,1-Dichloroethane	ND		0.50		ug/L			05/31/13 08:29	1
1,2-Dichloroethane	ND		0.50		ug/L			05/31/13 08:29	1
1,1-Dichloroethene	ND		0.50		ug/L			05/31/13 08:29	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			05/31/13 08:29	1

TestAmerica Job ID: 720-49998-1

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: MB 720-137422/5 Matrix: Water Analysis Batch: 137422

Client Sample ID: Method Blank Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.50		ug/L			05/31/13 08:29	1
1,2-Dichloropropane	ND		0.50		ug/L			05/31/13 08:29	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 08:29	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			05/31/13 08:29	1
Ethylbenzene	ND		0.50		ug/L			05/31/13 08:29	1
Hexachlorobutadiene	ND		1.0		ug/L			05/31/13 08:29	1
2-Hexanone	ND		50		ug/L			05/31/13 08:29	1
Isopropylbenzene	ND		0.50		ug/L			05/31/13 08:29	1
4-isopropyltoluene	ND		1.0		ug/L			05/31/13 08:29	1
Methylene Chloride	ND		5.0		ug/L			05/31/13 08:29	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L		18	05/31/13 08:29	1
Naphthalene	ND		1.0		ug/L			05/31/13 08:29	1
N-Propylbenzene	ND		1.0		ug/L			05/31/13 08:29	1
Styrene	ND		0.50		ug/L			05/31/13 08:29	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 08:29	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			05/31/13 08:29	1
Tetrachloroethene	ND		0.50		ug/L			05/31/13 08:29	1
Toluene	ND		0.50		ug/L			05/31/13 08:29	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			05/31/13 08:29	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			05/31/13 08:29	1
1,1,1-Trichloroethane	ND		0.50		ug/L			05/31/13 08:29	1
1,1,2-Trichloroethane	ND		0.50		ug/L			05/31/13 08:29	1
Trichloroethene	ND		0.50		ug/L			05/31/13 08:29	1
Trichlorofluoromethane	ND		1.0		ug/L			05/31/13 08:29	1
1,2,3-Trichloropropane	ND		0.50		ug/L			05/31/13 08:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			05/31/13 08:29	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			05/31/13 08:29	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			05/31/13 08:29	1
√inyl acetate	ND		10		ug/L			05/31/13 08:29	1
/inyl chloride	ND		0.50		ug/L			05/31/13 08:29	1
Xylenes, Total	ND		1.0		ug/L			05/31/13 08:29	1
2,2-Dichloropropane	ND		0.50		ug/L			05/31/13 08:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			05/31/13 08:29	1

	MB	MB		
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene	93		67 - 130	
1,2-Dichloroethane-d4 (Surr)	91		75 - 138	
Toluene-d8 (Surr)	98		70 - 130	

Prepared	Analyzed	Dil Fac
	05/31/13 08:29	1
	05/31/13 08:29	1
	05/31/13 08:29	1

Client Sample ID: Lab Control Sample

#### Lab Sample ID: LCS 720-137422/6 Matrix: Water

Analysis Batch: 137422

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methyl tert-butyl ether	25.0	25.6		ug/L		103	62 - 130	
Acetone	125	100		ug/L		80	26 - 180	
Benzene	25.0	24.4		ug/L		98	79 - 130	

TestAmerica Pleasanton

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCS 720-137422/6 Matrix: Water Analysis Batch: 137422

Analysis Daton. 137422	Spike	LCS	LCS			%Rec.
Analyte	Added	Result	Qualifier Un	it D	%Rec	Limits
Dichlorobromomethane	25.0	25.9	ug/	Ľ	103	70 - 130
Bromobenzene	25.0	26.7	ug/	L	107	70 - 130
Chlorobromomethane	25.0	29.0	ug/	L	116	70 - 130
Bromoform	25.0	30.3	ug/	L	121	68 - 136
Bromomethane	25.0	24.9	ug/	L	100	43 - 151
2-Butanone (MEK)	125	114	ug/	L	92	54 - 130
n-Butylbenzene	25.0	23.8	ug/	L	95	70 - 142
sec-Butylbenzene	25.0	24.7	ug/	L	99	70 - 134
tert-Butylbenzene	25.0	25.3	ug/	L	101	70 - 135
Carbon disulfide	25.0	22.0	ug/	L	88	58 - 130
Carbon tetrachloride	25.0	26.3	ug/	L	105	70 - 146
Chlorobenzene	25.0	26.2	ug/	L	105	70 - 130
Chloroethane	25.0	22.6	ug/	L	90	62 - 138
Chloroform	25.0	25.2	ug/	L	101	70 - 130
Chloromethane	25.0	17.9	ug/	L	72	52 - 175
2-Chlorotoluene	25.0	24.8	ug/	L	99	70 - 130
4-Chlorotoluene	25.0	24.4	ug/	L	98	70 - 130
Chlorodibromomethane	25.0	28.5	ug/	L	114	70 - 145
1,2-Dichlorobenzene	25.0	25.6	ug/	L	102	70 - 130
1,3-Dichlorobenzene	25.0	26.5	ug/	L	106	70 - 130
1,4-Dichlorobenzene	25.0	26.4	ug/	L	106	70 - 130
1,3-Dichloropropane	25.0	25.3	ug/	L	101	70 - 130
1,1-Dichloropropene	25.0	25.8	ug/	L	103	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	22.0	ug/	L	88	70 - 136
Ethylene Dibromide	25.0	27.8	ug/	L	111	70 - 130
Dibromomethane	25.0	26.2	ug/	L	105	70 - 130
Dichlorodifluoromethane	25.0	16.5	ug/	L	66	34 - 132
1,1-Dichloroethane	25.0	23.5	ug/	L	94	70 - 130
1,2-Dichloroethane	25.0	23.3	ug/	L	93	61 - 132
1,1-Dichloroethene	25.0	22.9	ug/	L	92	64 - 128
cis-1,2-Dichloroethene	25.0	24.2	ug/	L	97	70 - 130
trans-1,2-Dichloroethene	25.0	25.0	ug/	L	100	68 - 130
1,2-Dichloropropane	25.0	24.0	ug/	L	96	70 - 130
cis-1,3-Dichloropropene	25.0	27.2	ug/	L	109	70 - 130
trans-1,3-Dichloropropene	25.0	26.1	ug/		104	70 _ 140
Ethylbenzene	25.0	24.6	ug/		98	80 - 120
Hexachlorobutadiene	25.0	22.9	ug/		92	70 - 130
2-Hexanone	125	102	ug/		82	60 - 164
Isopropylbenzene	25.0	27.0	ug/		108	70 - 130
4-Isopropyltoluene	25.0	24.4	ug/		98	70 - 130
Methylene Chloride	25.0	23.3	ug/		93	70 - 147
4-Methyl-2-pentanone (MIBK)	125	105	ug/		84	58 - 130
Naphthalene	25.0	19.8	ug/		79	70 - 130
N-Propylbenzene	25.0	25.4	ug/		102	70 - 130
Styrene	25.0	26.2	ug/		105	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.7	ug/		111	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.0	ug/		96	70 - 130
Tetrachloroethene	25.0	29.3	ug/	L	117	70 - 130

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

1

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCS 720-137422/6 Matrix: Water Analysis Batch: 137422

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene		25.0	24.7		ug/L		99	78 - 120	
1,2,3-Trichlorobenzene		25.0	20.8		ug/L		83	70 - 130	
1,2,4-Trichlorobenzene		25.0	23.1		ug/L		93	70 - 130	
1,1,1-Trichloroethane		25.0	27.0		ug/L		108	70 - 130	
1,1,2-Trichloroethane		25.0	26.4		ug/L		105	70 - 130	
Trichloroethene		25.0	27.7		ug/L		111	70 - 130	
Trichlorofluoromethane		25.0	23.6		ug/L		94	66 - 132	
1,2,3-Trichloropropane		25.0	24.8		ug/L		99	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroetha		25.0	29.6		ug/L		119	42 - 162	
ne									
1,2,4-Trimethylbenzene		25.0	24.5		ug/L		98	70 - 132	
1,3,5-Trimethylbenzene		25.0	24.9		ug/L		99	70 - 130	
Vinyl acetate		25.0	28.2		ug/L		113	43 - 163	
Vinyl chloride		25.0	19.3		ug/L		77	54 - 135	
m-Xylene & p-Xylene		50.0	50.4		ug/L		101	70 - 142	
o-Xylene		25.0	26.0		ug/L		104	70 - 130	
2,2-Dichloropropane		25.0	29.5		ug/L		118	70 - 140	
	LCS LCS								

	LOO	200	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		75 - 138
Toluene-d8 (Surr)	101		70 - 130

#### Lab Sample ID: LCS 720-137422/8 Matrix: Water Analysis Batch: 137422

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)	500	440		ug/L		88	62 - 120	
-C5-C12								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		75 - 138
Toluene-d8 (Surr)	101		70 - 130

#### Lab Sample ID: LCSD 720-137422/7 Matrix: Water

Analysis Batch: 137422

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	25.0	25.6		ug/L		102	62 - 130	0	20
Acetone	125	99.1		ug/L		79	26 - 180	1	30
Benzene	25.0	24.6		ug/L		98	79 - 130	1	20
Dichlorobromomethane	25.0	26.3		ug/L		105	70 - 130	2	20
Bromobenzene	25.0	27.3		ug/L		109	70 - 130	2	20
Chlorobromomethane	25.0	29.1		ug/L		116	70 - 130	0	20
Bromoform	25.0	29.7		ug/L		119	68 - 136	2	20

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Client Sample ID: Lab Control Sample Dup

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCSD 720-137422/7 Matrix: Water Analysis Batch: 137422

Analysis Batch: 13/422	Calles	1000	1000			0/ Dee		RPD
Analyte	Spike Added		LCSD Qualifier Unit	D	%Rec	%Rec. Limits	RPD	Limit
Bromomethane	25.0	25.1	ug/L		100	43 - 151	1	20
2-Butanone (MEK)	125	111	ug/L		88	54 - 130	3	20
n-Butylbenzene	25.0	24.0	ug/L		96	70 - 142	1	20
sec-Butylbenzene	25.0	25.1	ug/L		100	70 - 134	2	20
tert-Butylbenzene	25.0	25.8	ug/L		103	70 - 135	2	20
Carbon disulfide	25.0	22.1	ug/L		88	58 - 130	1	20
Carbon tetrachloride	25.0	26.6	ug/L		106	70 - 146	1	20
Chlorobenzene	25.0	26.5	ug/L		106	70 - 130	1	20
Chloroethane	25.0	22.7	ug/L		91	62 - 138	1	20
Chloroform	25.0	25.6	ug/L		102	70 - 130	2	20
Chloromethane	25.0	18.0	ug/L		72	52 - 175	0	20
2-Chlorotoluene	25.0	25.3	ug/L		101	70 - 130	2	20
4-Chlorotoluene	25.0	24.8	ug/L		99	70 - 130	2	20
Chlorodibromomethane	25.0	28.9	ug/L		116	70 - 145	2	20
1,2-Dichlorobenzene	25.0	25.6	ug/L		102	70 - 130	0	20
1,3-Dichlorobenzene	25.0	26.7	ug/L		107	70 - 130	1	20
1,4-Dichlorobenzene	25.0	26.6	ug/L		107	70 - 130	1	20
1,3-Dichloropropane	25.0	25.3	ug/L		101	70 - 130	0	20
1,1-Dichloropropene	25.0	26.4	ug/L		106	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	21.7	ug/L		87	70 - 136	1	20
Ethylene Dibromide	25.0	27.7	ug/L		111	70 - 130	1	20
Dibromomethane	25.0	26.1	ug/L		105	70 - 130	0	20
Dichlorodifluoromethane	25.0	16.4	ug/L		66	34 - 132	0	20
1,1-Dichloroethane	25.0	23.7	ug/L		95	70 - 130	1	20
1,2-Dichloroethane	25.0	23.4	ug/L		94	61 - 132	0	20
1,1-Dichloroethene	25.0	23.2	ug/L		93	64 - 128	2	20
cis-1,2-Dichloroethene	25.0	24.7	ug/L		99	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	25.0	ug/L		100	68 - 130	0	20
1,2-Dichloropropane	25.0	24.1	ug/L		97	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	27.7	ug/L		111	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	26.1	ug/L		105	70 - 140	0	20
Ethylbenzene	25.0	24.9	ug/L		100	80 - 120	1	20
Hexachlorobutadiene	25.0	22.7	ug/L		91	70 - 130	1	20
2-Hexanone	125	101	ug/L		80	60 - 164	2	20
Isopropylbenzene	25.0	27.2	ug/L		109	70 - 130	1	20
4-Isopropyltoluene	25.0	24.7	ug/L		99	70 - 130	1	20
Methylene Chloride	25.0	23.5	ug/L		94	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	103	ug/L		83	58 - 130	2	20
Naphthalene	25.0	19.2	ug/L		77	70 - 130	3	20
N-Propylbenzene	25.0	26.2	ug/L		105	70 - 130	3	20
Styrene	25.0	26.4	ug/L		106	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	28.0	ug/L		112	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	23.8	ug/L		95	70 - 130	1	20
Tetrachloroethene	25.0	29.9	ug/L		120	70 - 130	2	20
Toluene	25.0	25.0	ug/L		100	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	20.5	ug/L		82	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	23.0	ug/L		92	70 - 130	1	20
1,1,1-Trichloroethane	25.0	27.2	ug/L		109	- 70 - 130	1	20

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Client Sample ID: Matrix Spike** 

Prep Type: Total/NA

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-1374	122/7					Clie	ent San	nple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Water									Prep 1	Type: Tot	tal/NA
Analysis Batch: 137422											
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,2-Trichloroethane			25.0	26.4		ug/L		105	70 - 130	0	20
Trichloroethene			25.0	28.3		ug/L		113	70 - 130	2	20
Trichlorofluoromethane			25.0	23.5		ug/L		94	66 - 132	1	20
1,2,3-Trichloropropane			25.0	24.9		ug/L		100	70 - 130	0	20
1,1,2-Trichloro-1,2,2-trifluoroetha			25.0	29.7		ug/L		119	42 - 162	0	20
ne											
1,2,4-Trimethylbenzene			25.0	24.7		ug/L		99	70 - 132	1	20
1,3,5-Trimethylbenzene			25.0	25.2		ug/L		101	70 - 130	2	20
Vinyl acetate			25.0	27.1		ug/L		109	43 - 163	4	20
Vinyl chloride			25.0	19.4		ug/L		78	54 - 135	1	20
m-Xylene & p-Xylene			50.0	50.9		ug/L		102	70 - 142	1	20
o-Xylene			25.0	26.2		ug/L		105	70 - 130	1	20
2,2-Dichloropropane			25.0	29.9		ug/L		120	70 - 140	1	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits			11					

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	87		75 - 138
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 720-137422/9

Matrix: Water

Analysis Batch: 137422

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)	500	433		ug/L		87	62 - 120	2	20
-C5-C12									

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		75 - 138
Toluene-d8 (Surr)	100		70 - 130

#### Lab Sample ID: 720-49978-B-2 MS Matrix: Water

Analysis Batch: 137422

	Sample S	Sample	Spike	MS	MS				%Rec.	
Analyte	Result (	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methyl tert-butyl ether	ND		25.0	30.8		ug/L		122	60 - 138	
Acetone	ND		125	99.8		ug/L		80	60 - 140	
Benzene	ND		25.0	26.9		ug/L		108	60 - 140	
Dichlorobromomethane	ND		25.0	30.4		ug/L		122	60 - 140	
Bromobenzene	ND		25.0	28.0		ug/L		112	60 - 140	
Chlorobromomethane	ND		25.0	33.9		ug/L		136	60 - 140	
Bromoform	ND		25.0	32.9		ug/L		132	56 - 140	
Bromomethane	ND		25.0	29.5		ug/L		118	23 - 140	
2-Butanone (MEK)	ND		125	126		ug/L		101	60 - 140	
n-Butylbenzene	ND		25.0	23.5		ug/L		90	60 - 140	
sec-Butylbenzene	1.1		25.0	24.5		ug/L		93	60 - 140	

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

# Lab Sample ID: 720-49978-B-2 MS Matrix: Water

Analysis Batch: 137422

Analysis Batch: 137422	0	0	0						0/	
Analyte		Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	%Rec. Limits	
tert-Butylbenzene	ND	Quaimer	25.0	25.5	Qualifier	ug/L		98	60 - 140	
Carbon disulfide	ND		25.0	24.9		ug/L		100	38 - 140	
Carbon tetrachloride	ND		25.0	27.3		ug/L		100	60 <u>-</u> 140	
Chlorobenzene	ND		25.0	28.0		ug/L		112	60 <u>-</u> 140	
Chloroethane	ND		25.0	26.8		ug/L		107	51 - 140	
Chloroform	ND		25.0	28.6		ug/L		114	60 - 140	
Chloromethane	ND		25.0	20.0		ug/L		81	52 - 140	
2-Chlorotoluene	ND		25.0	25.2		ug/L		99	60 - 140	
4-Chlorotoluene	0.51		25.0	24.9		ug/L		98	60 - 140	
Chlorodibromomethane	ND		25.0	34.0		ug/L		136	60 - 140	
			25.0	26.7				106	60 - 140	
1,2-Dichlorobenzene	ND					ug/L				
1,3-Dichlorobenzene	ND		25.0	27.7		ug/L		109	60 - 140	
1,4-Dichlorobenzene	ND		25.0	27.8		ug/L		109	60 - 140	
1,3-Dichloropropane	ND		25.0	30.0		ug/L		120	60 - 140	
1,1-Dichloropropene	ND		25.0	26.7		ug/L		107	60 - 140	
1,2-Dibromo-3-Chloropropane	ND		25.0	22.0		ug/L		88	60 - 140	
Ethylene Dibromide	ND		25.0	32.9		ug/L		132	60 - 140	
Dibromomethane	ND		25.0	31.1		ug/L		124	60 - 140	
Dichlorodifluoromethane	ND		25.0	19.4		ug/L		78	38 - 140	
1,1-Dichloroethane	ND		25.0	25.7		ug/L		103	60 - 140	
1,2-Dichloroethane	ND		25.0	27.3		ug/L		109	60 - 140	
1,1-Dichloroethene	ND		25.0	24.1		ug/L		96	60 - 140	
cis-1,2-Dichloroethene	ND		25.0	27.5		ug/L		110	60 _ 140	
trans-1,2-Dichloroethene	ND		25.0	26.0		ug/L		104	60 - 140	
1,2-Dichloropropane	ND		25.0	28.0		ug/L		112	60 - 140	
cis-1,3-Dichloropropene	ND		25.0	32.0		ug/L		128	60 - 140	
trans-1,3-Dichloropropene	ND		25.0	30.6		ug/L		122	60 - 140	
Ethylbenzene	ND		25.0	25.4		ug/L		100	60 - 140	
Hexachlorobutadiene	1.0		25.0	22.2		ug/L		85	60 - 140	
2-Hexanone	ND		125	117		ug/L		94	60 - 140	
Isopropylbenzene	0.87		25.0	28.0		ug/L		108	60 - 140	
4-Isopropyltoluene	1.0		25.0	24.6		ug/L		94	60 - 140	
Methylene Chloride	ND		25.0	27.3		ug/L		109	40 - 140	
4-Methyl-2-pentanone (MIBK)	ND		125	123		ug/L		98	58 - 130	
Naphthalene	ND		25.0	20.2		ug/L		80	56 - 140	
N-Propylbenzene	1.0		25.0	24.9		ug/L		96	60 - 140	
Styrene	ND		25.0	ND	F	ug/L		0.6	60 - 140	
1,1,1,2-Tetrachloroethane	ND		25.0	30.4		ug/L		122	60 - 140	
1,1,2,2-Tetrachloroethane	ND		25.0	24.5		ug/L		98	60 - 140	
Tetrachloroethene	0.73		25.0	32.3		ug/L		126	60 - 140	
Toluene	ND		25.0	25.4		ug/L		102	60 - 140	
1,2,3-Trichlorobenzene	ND		25.0	21.8		ug/L		86	60 - 140	
1,2,4-Trichlorobenzene	ND		25.0	24.6		ug/L		97	60 - 140	
1,1,1-Trichloroethane	ND		25.0	28.3		ug/L		113	60 - 140	
1,1,2-Trichloroethane	ND		25.0	31.3		ug/L		125	60 - 140	
Trichloroethene	ND		25.0	29.7		ug/L		119	60 - 140	
Trichlorofluoromethane	ND		25.0	26.8		ug/L		107	60 _ 140	
1,2,3-Trichloropropane	ND		25.0	25.4		ug/L		102	60 - 140	

TestAmerica Job ID: 720-49998-1

Client Sample ID: Matrix Spike

Prep Type: Total/NA

TestAmerica Pleasanton

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#### TestAmerica Job ID: 720-49998-1

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

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#### Lab Sample ID: 720-49978-B-2 MS Matrix: Water Analysis Batch: 137422

Client Sample ID: Matrix Spike Prep Type: Total/NA

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Sample	Sample	Spike	MS	MS				%Rec.
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
ND		25.0	30.9		ug/L		124	60 - 140
0.78		25.0	25.2		ug/L		98	60 - 140
0.92		25.0	25.0		ug/L		96	60 - 140
ND	<u>.</u> 2	25.0	ND	F	ug/L		0	40 - 140
ND		25.0	22.2		ug/L		89	58 _ 140
ND		50.0	52.5		ug/L		103	60 - 140
ND		25.0	27.7		ug/L		109	60 - 140
ND		25.0	29.5		ug/L		118	60 - 140
MS	MS							
%Recovery	Qualifier	Limits						
104		67 - 130						
98		75 - 138						
	Result ND 0.78 0.92 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.78 0.92 ND ND ND ND MS %Recovery Qualifier 104	Result         Qualifier         Added           ND         25.0           0.78         25.0           0.92         25.0           ND         25.0           MS         30           %Recovery         Qualifier         Limits           104         67 - 130	Result ND         Qualifier         Added         Result           ND         25.0         30.9           0.78         25.0         25.2           0.92         25.0         25.0           ND         25.0         25.0           ND         25.0         ND           ND         25.0         ND           ND         25.0         22.2           ND         50.0         52.5           ND         25.0         27.7           ND         25.0         29.5           MS         MS         25.0           %Recovery         Qualifier         Limits           104         67-130         67-130	Result         Qualifier         Added         Result         Qualifier           ND         25.0         30.9         30.9           0.78         25.0         25.2         30.9           0.78         25.0         25.2         25.0           0.92         25.0         25.0         25.0           ND         25.0         ND         F           ND         25.0         22.2         25.0           ND         25.0         25.5         25.5           ND         25.0         27.7         25.5           ND         25.0         29.5         29.5           MS         MS         Limits         27.130         29.5	Result         Qualifier         Added         Result         Qualifier         Unit           ND         25.0         30.9         ug/L           0.78         25.0         25.2         ug/L           0.92         25.0         25.0         ug/L           ND         25.0         25.0         ug/L           ND         25.0         ND         F         ug/L           ND         25.0         22.2         ug/L           ND         25.0         22.5         ug/L           ND         25.0         22.5         ug/L           ND         25.0         27.7         ug/L           ND         25.0         29.5         ug/L           MS         MS         67-130         104	Result         Qualifier         Added         Result         Qualifier         Unit         D           ND         25.0         30.9         ug/L         ug/L	Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec           ND         25.0         30.9         ug/L         124         124           0.78         25.0         25.2         ug/L         98           0.92         25.0         25.0         ug/L         98           0.92         25.0         25.0         ug/L         98           ND         25.0         25.0         ug/L         98           ND         25.0         25.0         ug/L         98           ND         25.0         ND         F         ug/L         0           ND         50.0         52.5         ug/L         103           ND         25.0         27.7         ug/L         109           ND         25.0         29.5         ug/L         118           MS         MS         MS         Exercise         Exercise         Exercise           104         67-130         67-130         67-130         67-130         67-130

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# Lab Sample ID: 720-49978-B-2 MSD Matrix: Water

Analysis Batch: 137422

Toluene-d8 (Surr)

Samp	e Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte Resu	It Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether N	C	25.0	29.5		ug/L	-	117	60 - 138	4	20
Acetone N	C	125	93.9		ug/L		75	60 - 140	6	20
Benzene N	C	25.0	26.1		ug/L		104	60 - 140	3	20
Dichlorobromomethane N	C	25.0	28.8		ug/L		115	60 - 140	5	20
Bromobenzene N	0	25.0	28.0		ug/L		112	60 - 140	0	20
Chlorobromomethane N	C	25.0	32.6		ug/L		130	60 - 140	4	20
Bromoform N	C	25.0	32.2		ug/L		129	56 - 140	2	20
Bromomethane N	D C	25.0	27.2		ug/L		109	23 - 140	8	20
2-Butanone (MEK) N	D	125	118		ug/L		95	60 - 140	6	20
n-Butylbenzene N	0	25.0	23.1		ug/L		88	60 - 140	2	20
sec-Butylbenzene 1.	1	25.0	24.4		ug/L		93	60 - 140	0	20
tert-Butylbenzene N	0	25.0	25.4		ug/L		98	60 - 140	1	20
Carbon disulfide N	D	25.0	23.2		ug/L		93	38 - 140	7	20
Carbon tetrachloride N	D	25.0	26.5		ug/L		106	60 - 140	3	20
Chlorobenzene N	)	25.0	27.5		ug/L		110	60 - 140	2	20
Chloroethane N	)	25.0	24.9		ug/L		100	51 - 140	7	20
Chloroform N	)	25.0	27.6		ug/L		110	60 - 140	4	20
Chloromethane N	0	25.0	18.7		ug/L		75	52 - 140	8	20
2-Chlorotoluene N	D	25.0	25.1		ug/L		99	60 - 140	0	20
4-Chlorotoluene 0.5	1	25.0	24.9		ug/L		98	60 - 140	0	20
Chlorodibromomethane N	)	25.0	32.5		ug/L		130	60 - 140	4	20
1,2-Dichlorobenzene N	0	25.0	26.9		ug/L		106	60 - 140	1	20
1,3-Dichlorobenzene N	0	25.0	27.7		ug/L		109	60 - 140	0	20
1,4-Dichlorobenzene NI	)	25.0	27.5		ug/L		108	60 - 140	1	20
1,3-Dichloropropane NI	)	25.0	28.8		ug/L		115	60 - 140	4	20
1,1-Dichloropropene NI	0	25.0	26.1		ug/L		104	60 - 140	2	20
1,2-Dibromo-3-Chloropropane NI	D	25.0	21.9		ug/L		87	60 - 140	1	20
Ethylene Dibromide NI	D	25.0	31.6		ug/L		126	60 - 140	4	20

7

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

# Lab Sample ID: 720-49978-B-2 MSD Matrix: Water

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Analysis Batch: 137422			3.6								
		Sample	Spike	MSD			-		%Rec.	000	RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Dibromomethane	ND		25.0	29.3		ug/L		117	60 - 140	6	20
Dichlorodifluoromethane	ND		25.0	17.9		ug/L		72	38 - 140	8	20
1,1-Dichloroethane	ND		25.0	25.0		ug/L		100	60 - 140	3	20
1,2-Dichloroethane	ND		25.0	26.2		ug/L		105	60 - 140	4	20
1,1-Dichloroethene	ND		25.0	23.3		ug/L		93	60 - 140	3	20
cis-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	60 - 140	5	20
trans-1,2-Dichloroethene	ND		25.0	25.6		ug/L		102	60 - 140	2	20
1,2-Dichloropropane	ND		25.0	26.9		ug/L		107	60 - 140	4	20
cis-1,3-Dichloropropene	ND		25.0	30.6		ug/L		122	60 - 140	5	20
trans-1,3-Dichloropropene	ND		25.0	29.4		ug/L		118	60 - 140	4	20
Ethylbenzene	ND		25.0	25.1		ug/L		99	60 - 140	1	20
Hexachlorobutadiene	1.0		25.0	21.5		ug/L		82	60 - 140	3	20
2-Hexanone	ND		125	111		ug/L		89	60 - 140	6	20
Isopropylbenzene	0.87		25.0	27.6		ug/L		107	60 - 140	1	20
4-Isopropyltoluene	1.0		25.0	24.2		ug/L		93	60 - 140	1	20
Methylene Chloride	ND		25.0	25.8		ug/L		103	40 - 140	5	20
4-Methyl-2-pentanone (MIBK)	ND		125	116		ug/L		93	58 - 130	5	20
Naphthalene	ND		25.0	19.9		ug/L		78	56 - 140	2	20
N-Propylbenzene	1.0		25.0	25.0		ug/L		96	60 - 140	0	20
Styrene	ND		25.0	ND	F	ug/L		0.5	60 - 140	14	20
1,1,1,2-Tetrachloroethane	ND		25.0	29.7		ug/L		119	60 - 140	2	20
1,1,2,2-Tetrachloroethane	ND		25.0	24.5		ug/L		98	60 - 140	0	20
Tetrachloroethene	0.73		25.0	31.1		ug/L		122	60 - 140	4	20
Toluene	ND		25.0	25.1		ug/L		100	60 - 140	1	20
1,2,3-Trichlorobenzene	ND		25.0	21.5		ug/L		85	60 - 140	2	20
1,2,4-Trichlorobenzene	ND		25.0	23.7		ug/L		93	60 - 140	4	20
1,1,1-Trichloroethane	ND		25.0	27.4		ug/L		109	60 - 140	3	20
1,1,2-Trichloroethane	ND		25.0	29.9		ug/L		119	60 - 140	5	20
Trichloroethene	ND		25.0	28.9		ug/L		116	60 - 140	3	20
Trichlorofluoromethane	ND		25.0	25.0		ug/L		100	60 - 140	7	20
1,2,3-Trichloropropane	ND		25.0	25.5		ug/L		102	60 - 140	1	20
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	29.9		ug/L		120	60 - 140	3	20
ne											
1,2,4-Trimethylbenzene	0.78		25.0	25.1		ug/L		97	60 - 140	0	20
1,3,5-Trimethylbenzene	0.92		25.0	24.8		ug/L		96	60 - 140	1	20
Vinyl acetate	ND		25.0	ND	F	ug/L		0	40 - 140	NC	20
Vinyl chloride	ND		25.0	20.5		ug/L		82	58 - 140	8	20
m-Xylene & p-Xylene	ND		50.0	51.4		ug/L		101	60 - 140	2	20
o-Xylene	ND		25.0	27.0		ug/L		107	60 - 140	2	20
2,2-Dichloropropane	ND		25.0	27.6		ug/L		110	60 - 140	7	20
	MSD	MSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene	101		67 _ 130								
1,2-Dichloroethane-d4 (Surr)	93		75 - 138								
Toluene-d8 (Surr)	103		70 - 130								

7

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: MB 720-137513/6 Matrix: Water Analysis Batch: 137513

Client Sample ID: Method Blank Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50	ug/L			06/03/13 08:56	24
Acetone	ND		50	ug/L			06/03/13 08:56	1
Benzene	ND		0.50	ug/L			06/03/13 08:56	1
Dichlorobromomethane	ND		0.50	ug/L			06/03/13 08:56	1
Bromobenzene	ND		1.0	ug/L			06/03/13 08:56	1
Chlorobromomethane	ND		1.0	ug/L			06/03/13 08:56	1
Bromoform	ND		1.0	ug/L			06/03/13 08:56	1
Bromomethane	ND		1.0	ug/L			06/03/13 08:56	1
2-Butanone (MEK)	ND		50	ug/L			06/03/13 08:56	1
n-Butylbenzene	ND		1.0	ug/L			06/03/13 08:56	1
sec-Butylbenzene	ND		1.0	ug/L			06/03/13 08:56	1
tert-Butylbenzene	ND		1.0	ug/L			06/03/13 08:56	1
Carbon disulfide	ND		5.0	ug/L			06/03/13 08:56	1
Carbon tetrachloride	ND		0.50	ug/L			06/03/13 08:56	1
Chlorobenzene	ND		0.50	ug/L			06/03/13 08:56	1
Chloroethane	ND		1.0	ug/L			06/03/13 08:56	1
Chloroform	ND		1.0	ug/L			06/03/13 08:56	1
Chloromethane	ND		1.0	ug/L			06/03/13 08:56	1
2-Chlorotoluene	ND		0.50	ug/L			06/03/13 08:56	1
4-Chlorotoluene	ND		0.50	ug/L			06/03/13 08:56	1
Chlorodibromomethane	ND		0.50	ug/L			06/03/13 08:56	1
1,2-Dichlorobenzene	ND		0.50	ug/L			06/03/13 08:56	1
1,3-Dichlorobenzene	ND		0.50	ug/L			06/03/13 08:56	1
1,4-Dichlorobenzene	ND		0.50	ug/L			06/03/13 08:56	1
1,3-Dichloropropane	ND		1.0	ug/L			06/03/13 08:56	1
1,1-Dichloropropene	ND		0.50	ug/L			06/03/13 08:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			06/03/13 08:56	1
Ethylene Dibromide	ND		0.50	ug/L			06/03/13 08:56	1
Dibromomethane	ND		0.50	ug/L			06/03/13 08:56	1
Dichlorodifluoromethane	ND		0.50	ug/L			06/03/13 08:56	1
1,1-Dichloroethane	ND		0.50	ug/L			06/03/13 08:56	1
1,2-Dichloroethane	ND		0.50	ug/L			06/03/13 08:56	1
1,1-Dichloroethene	ND		0.50	ug/L			06/03/13 08:56	1
cis-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 08:56	1
rans-1,2-Dichloroethene	ND		0.50	ug/L			06/03/13 08:56	1
1,2-Dichloropropane	ND		0.50	ug/L			06/03/13 08:56	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 08:56	1
rans-1,3-Dichloropropene	ND		0.50	ug/L			06/03/13 08:56	1
Ethylbenzene	ND		0.50	ug/L			06/03/13 08:56	1
Hexachlorobutadiene	ND		1.0	ug/L			06/03/13 08:56	1
2-Hexanone	ND		50	ug/L			06/03/13 08:56	1
sopropylbenzene	ND		0.50	ug/L			06/03/13 08:56	1
l-Isopropyltoluene	ND		1.0	ug/L			06/03/13 08:56	1
Aethylene Chloride	ND		5.0	ug/L			06/03/13 08:56	1
-Methyl-2-pentanone (MIBK)	ND		50	ug/L			06/03/13 08:56	1
Naphthalene	ND		1.0	ug/L			06/03/13 08:56	1
N-Propylbenzene	ND		1.0	ug/L			06/03/13 08:56	1
Styrene	ND		0.50	ug/L			06/03/13 08:56	1

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-137513/6 Matrix: Water Analysis Batch: 137513 Client Sample ID: Method Blank Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Analysis Daten, 197919	MB	MB			2				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/03/13 08:56	1
1,1,2,2-Tetrachloroethane	ND	25	0.50		ug/L			06/03/13 08:56	1
Tetrachloroethene	ND		0.50		ug/L			06/03/13 08:56	1
Toluene	ND		0.50		ug/L			06/03/13 08:56	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/03/13 08:56	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/03/13 08:56	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/03/13 08:56	.1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/03/13 08:56	1
Trichloroethene	ND		0.50		ug/L			06/03/13 08:56	1
Trichlorofluoromethane	ND		1.0		ug/L			06/03/13 08:56	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/03/13 08:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			06/03/13 08:56	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			06/03/13 08:56	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/03/13 08:56	1
Vinyl acetate	ND		10		ug/L			06/03/13 08:56	1
Vinyl chloride	ND		0.50		ug/L			06/03/13 08:56	1
Xylenes, Total	ND		1.0		ug/L			06/03/13 08:56	1
2,2-Dichloropropane	ND		0.50		ug/L			06/03/13 08:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/03/13 08:56	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93	67 - 130		06/03/13 08:56	1
1,2-Dichloroethane-d4 (Surr)	93	75 - 138		06/03/13 08:56	1
Toluene-d8 (Surr)	101	70 - 130		06/03/13 08:56	1

#### Lab Sample ID: LCS 720-137513/7

Matrix: Water Analysis Batch: 137513

%Rec. Spike LCS LCS Result Qualifier Unit D %Rec Limits Added Analyte 25.0 26.0 ug/L 104 62 - 130 Methyl tert-butyl ether 26 - 180 105 84 Acetone 125 ug/L 25.0 24.4 ug/L 98 79 - 130 Benzene 70 - 130 25.0 26.6 ug/L 106 Dichlorobromomethane 70 - 130 25.5 102 25.0 ug/L Bromobenzene 70 - 130 Chlorobromomethane 25.0 30.6 ug/L 122 25.0 30.2 ug/L 121 68 - 136 Bromoform 25.0 24.5 ug/L 98 43 - 151 Bromomethane ug/L 2-Butanone (MEK) 125 122 98 54 - 130 n-Butylbenzene 25.0 22.2 ug/L 89 70 - 142 25.0 22.9 ug/L 92 70 - 134 sec-Butylbenzene 25.0 94 70 - 135 23.5 ug/L tert-Butylbenzene 58 - 130 Carbon disulfide 25.0 21.8 ug/L 87 25.0 26.5 ug/L 106 70 - 146 Carbon tetrachloride ug/L 25.0 101 70 - 130 25 3 Chlorobenzene 86 62 - 138 Chloroethane 25.0 21.4 ug/L 25.0 25.7 ug/L 103 70 - 130 Chloroform

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Client Sample ID: Lab Control Sample

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCS 720-137513/7 Matrix: Water Analysis Batch: 137513

Analysis Datch. 137515	Spike	LCS L	CS		%Rec.
Analyte	Added	Result (		D %Rec	Limits
Chloromethane	25.0	16.5	ug/L	66	52 - 175
2-Chlorotoluene	25.0	22.7	ug/L	91	70 - 130
4-Chlorotoluene	25.0	22.5	ug/L	90	70 - 130
Chlorodibromomethane	25.0	30.5	ug/L	122	70 - 145
1,2-Dichlorobenzene	25.0	24.7	ug/L	99	70 - 130
1,3-Dichlorobenzene	25.0	25.5	ug/L	102	70 - 130
1,4-Dichlorobenzene	25.0	25.5	ug/L	102	70 - 130
1,3-Dichloropropane	25.0	26.6	ug/L	106	70 - 130
1,1-Dichloropropene	25.0	25.5	ug/L	102	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.5	ug/L	86	70 - 136
Ethylene Dibromide	25.0	28.9	ug/L	116	70 - 130
Dibromomethane	25.0	27.1	ug/L	108	70 - 130
Dichlorodifluoromethane	25.0	15.5	ug/L	62	34 - 132
1,1-Dichloroethane	25.0	23.1	ug/L	93	70 - 130
1,2-Dichloroethane	25.0	23.5	ug/L	94	61 - 132
1,1-Dichloroethene	25.0	21.8	ug/L	87	64 - 128
cis-1,2-Dichloroethene	25.0	24.3	ug/L	97	70 - 130
trans-1,2-Dichloroethene	25.0	24.5	ug/L	98	68 - 130
1,2-Dichloropropane	25.0	24.1	ug/L	96	70 - 130
cis-1,3-Dichloropropene	25.0	27.9	ug/L	112	70 - 130
trans-1,3-Dichloropropene	25.0	26.9	ug/L	108	70 - 130
Ethylbenzene	25.0	23.5		94	80 - 120
Hexachlorobutadiene	25.0	23.5	ug/L	94 87	
2-Hexanone	125	106	ug/L		70 - 130
	25.0	25.3	ug/L ug/L	85	60 - 164
sopropylbenzene	25.0	23.3		101 92	70 - 130
4-Isopropyltoluene			ug/L		70 - 130
Methylene Chloride	25.0	24.2	ug/L	97	70 - 147
4-Methyl-2-pentanone (MIBK)	125	107	ug/L	86	58 - 130
Naphthalene	25.0	18.1	ug/L	73	70 - 130
N-Propylbenzene	25.0	23.1	ug/L	92	70 - 130
Styrene	25.0	24.7	ug/L	99	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.3	ug/L	109	70 - 130
1,1,2,2-Tetrachloroethane	25.0	22.4	ug/L	89	70 - 130
Tetrachloroethene	25.0	31.2	ug/L	125	70 - 130
Toluene	25.0	23.7	ug/L	95	78 - 120
1,2,3-Trichlorobenzene	25.0	19.6	ug/L	78	70 ~ 130
1,2,4-Trichlorobenzene	25.0	22.2	ug/L	89	70 - 130
1,1,1-Trichloroethane	25.0	27.0	ug/L	108	70 - 130
1,1,2-Trichloroethane	25.0	27.3	ug/L	109	70 - 130
<b>Trichloroethene</b>	25.0	28.9	ug/L	116	70 - 130
Frichlorofluoromethane	25.0	23.8	ug/L	95	66 - 132
1,2,3-Trichloropropane	25.0	23.5	ug/L	94	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	28.5	ug/L	114	42 - 162
ne 1.2.4. Trimethylhenzene	25.0	22.0		00	70 122
1,2,4-Trimethylbenzene	25.0	22.9	ug/L	92	70 - 132
1,3,5-Trimethylbenzene	25.0	22.9	ug/L	91	70 - 130
√inyl acetate	25.0	27.8	ug/L	111	43 - 163
Vinyl chloride	25.0	18.8	ug/L	75	54 - 135

# **QC Sample Results**

Bromomethane

7

# Method: 8260B/CA LUFTMS - 8260B / CA LUFT MS (Continued)

ab Sample ID: LCS 720-137	513/7						Client	t Sample	e ID: Lab C	control S	ampl
latrix: Water									Prep	Туре: То	tal/N
Analysis Batch: 137513											
			Spike		LCS				%Rec.		
nalyte			Added		Qualifier	Unit	D	%Rec	Limits		_
n-Xylene & p-Xylene			50.0	47.9		ug/L		96	70 - 142		
-Xylene			25.0	24.8		ug/L		99	70 - 130		
,2-Dichloropropane			25.0	28.2		ug/L		113	70 - 140		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
-Bromofluorobenzene	96		67 - 130								
,2-Dichloroethane-d4 (Surr)	87		75 - 138								
oluene-d8 (Surr)	104		70 - 130								
oldene-de (ourry	101		100100								
ab Sample ID: LCS 720-137	513/9						Client	t Sample	ID: Lab C	ontrol S	ampl
/atrix: Water										Type: To	
analysis Batch: 137513										1	
			Spike	LCS	LCS				%Rec.		
nalyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)			500	461		ug/L		92	62 - 120		
C5-C12											
	LCS	LCS									
urrogate	%Recovery	Qualifier	Limits								
-Bromofluorobenzene	95		67 - 130								
,2-Dichloroethane-d4 (Surr)	90		75 - 138								
oluene-d8 (Surr)	102		70 - 130								
ab Sample ID: LCSD 720-13	7513/10					Cli	ient Sam	nple ID:	Lab Contr	ol Sampl	le Du
/latrix: Water									Prep	Туре: То	tal/N
Analysis Batch: 137513											
			Spike	LCSD	LCSD				%Rec.		RP
Inalyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Basoline Range Organics (GRO)			500	450		ug/L		90	62 - 120	2	2
C5-C12											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
-Bromofluorobenzene	97		67 - 130								
,2-Dichloroethane-d4 (Surr)	92		75 - 138								
Foluene-d8 (Surr)	103		70 - 130								
oldene-do (Sun)	100		102100								
ab Sample ID: LCSD 720-13	7513/8					Cli	ient Sam	ple ID:	Lab Contr	ol Sampl	le Du
Aatrix: Water										Type: To	
Analysis Batch: 137513									Ticp	Type: To	CONTRA
maryolo Datelli, 13/313			Spike	LCSD	LCSD				%Rec.		RP
nalyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
lethyl tert-butyl ether	_	-	25.0	23.9		ug/L		96	62 - 130	8	2
cetone			125	86.7		ug/L		69	26 - 180	19	3
CEIUNE								97	20 - 180 79 - 130	19	
			25.0	24.2		ug/L		91	19 - 130	1	-
enzene			05.0	05.0				101	70 400	0	
enzene ichlorobromomethane			25.0	25.2		ug/L		101	70 - 130	6	
eenzene bichlorobromomethane kromobenzene			25.0	25.8		ug/L		103	70 - 130	1	2
Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane											

TestAmerica Pleasanton

101

43 - 151

25.2

ug/L

25.0

3

20

Client Sample ID: Lab Control Sample Dup

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCSD 720-137513/8 Matrix: Water Analysis Batch: 137513

LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 2-Butanone (MEK) 125 102 ug/L 82 54 - 130 18 20 n-Butylbenzene 25.0 216 ug/L 86 70 - 142 3 20 sec-Butylbenzene 25.0 23.0 92 70 - 134 ug/L 1 20 tert-Butylbenzene 25.0 23.8 ug/L 95 70 - 135 20 1 Carbon disulfide 25.0 21.5 ug/L 86 58 . 130 1 20 Carbon tetrachloride 25 0 26.2 ug/L 105 70 - 146 1 20 Chlorobenzene 25.0 25.3 ug/L 101 70 - 130 0 20 Chloroethane 25.0 21.8 87 62 - 138 2 ua/L 20 Chloroform 25.0 25.4 70 - 130 ug/L 102 1 20 Chloromethane 25.0 17.0 68 52 - 175 3 ug/L 20 2-Chlorotoluene 23.0 25.0 92 70 - 130 ug/L 1 20 4-Chlorotoluene 25.0 22.6 ug/L 90 70 - 130 1 20 Chlorodibromomethane 25.0 29.1 ug/L 117 70 - 145 5 20 1,2-Dichlorobenzene 25.0 24.4 ug/L 98 70 - 130 1 20 1,3-Dichlorobenzene 25.0 25.4 ug/L 101 70 - 130 20 1 1.4-Dichlorobenzene 25.0 25.2 ug/L 101 70 - 130 20 1 1,3-Dichloropropane 25.0 24.8 ug/L 99 70 - 130 7 20 1,1-Dichloropropene 25.0 25.2 ug/L 101 70 - 130 20 1 1,2-Dibromo-3-Chloropropane 25.0 19.3 ug/L 77 70 - 136 11 20 Ethylene Dibromide 25.0 27.5 ug/L 110 70 - 130 5 20 Dibromomethane 25.0 25.7 ug/L 103 70 - 130 5 20 Dichlorodifluoromethane 25.0 15.7 ug/L 34 - 132 63 2 20 1.1-Dichloroethane 25.0 22.9 ug/L 91 70 - 130 1 20 1,2-Dichloroethane 25.0 22.4 ug/L 90 61 - 132 5 20 1,1-Dichloroethene 25 0 21.4 ug/L 86 64 - 128 2 20 cis-1 2-Dichloroethene 25.0 23.9 ug/L 96 70 - 130 2 20 trans-1,2-Dichloroethene 25.0 25.0 100 68 - 130 2 ug/L 20 1,2-Dichloropropane 25.0 23.7 95 70 - 130 2 uq/L 20 cis-1,3-Dichloropropene 25.0 26.9 108 70 - 130 ug/L 4 20 trans-1,3-Dichloropropene 25.0 25.4 ug/L 102 70 - 140 6 20 Ethylbenzene 25.0 23.6 ug/L 94 80 - 120 0 20 Hexachlorobutadiene 25.0 21.3 ug/L 85 70 - 130 2 20 2-Hexanone 125 89 1 ug/L 71 60 - 164 17 20 Isopropylbenzene 25.0 25.7 103 70 - 130 ug/L 2 20 4-Isopropyltoluene 25.0 22.7 ug/L 91 70 - 130 2 20 Methylene Chloride 25.0 23.7 ug/L 70 - 147 95 2 20 4-Methyl-2-pentanone (MIBK) 125 93.5 ug/L 75 58 - 130 14 20 Naphthalene 25.0 17.2 * ug/L 69 70 - 130 5 20 N-Propylbenzene 25.0 23.5 ug/L 94 70 - 130 2 20 Styrene 25.0 24 9 ug/L 100 70 - 130 1 20 1,1,1,2-Tetrachloroethane 25.0 27.0 ug/L 108 70 - 130 1 20 1,1,2,2-Tetrachloroethane 25.0 20.8 ug/L 83 70 - 130 7 20 Tetrachloroethene 25.0 30.5 ug/L 122 70 - 130 2 20 Toluene 25.0 23.4 ug/L 94 78 - 120 1 20 1,2,3-Trichlorobenzene 25.0 19.3 ug/L 77 70 - 130 20 1 1.2.4-Trichlorobenzene 25 0 21 5 ug/L 86 70 - 130 3 20 1,1,1-Trichloroethane 25.0 26.9 ug/L 108 70 - 130 0 20 1,1,2-Trichloroethane 25.0 25.8 ug/L 103 70 - 130 6 20

#### TestAmerica Job ID: 720-49998-1

Client Sample ID: Lab Control Sample Dup

#### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-137513/8
Matrix: Water
Analysis Batch: 137513

Analyte

ne

o-Xylene

Prep Type: Total/NA LCSD LCSD %Rec. RPD Spike Added **Result Qualifier** Unit D %Rec Limits RPD Limit 70 - 130 2 20 25.0 28.5 ug/L 114 Trichloroethene 66 - 132 0 20 25.0 23.7 ug/L 95 Trichlorofluoromethane 7 20 1,2,3-Trichloropropane 25.0 22.0 ug/L 88 70 - 130 112 42 - 162 1 20 25.0 28.1 ug/L 1,1,2-Trichloro-1,2,2-trifluoroetha 20 1,2,4-Trimethylbenzene 25.0 22.9 ug/L 92 70 - 132 0 1,3,5-Trimethylbenzene 25.0 23.1 ug/L 92 70 - 130 1 20 103 43 - 163 8 20 Vinyl acetate 25.0 25.6 ug/L 54 - 135 2 20 Vinyl chloride 25.0 19.2 ug/L 77 m-Xylene & p-Xylene 50.0 48.4 ug/L 97 70 - 142 1 20 25.0 25.2 ug/L 101 70 - 130 2 20 25.0 28.7 ug/L 115 70 - 140 2 20 2,2-Dichloropropane

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	95		67 - 130
1,2-Dichloroethane-d4 (Surr)	84		75 - 138
Toluene-d8 (Surr)	104		70 - 130

#### Lab Sample ID: 720-49998-7 MS Matrix: Water

Analysis Batch: 137513

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methyl tert-butyl ether	ND		25.0	21.7		ug/L		87	60 - 138	
Acetone	ND		125	83.7		ug/L		67	60 - 140	
Benzene	ND		25.0	22.1		ug/L		88	60 - 140	
Dichlorobromomethane	ND		25.0	23.5		ug/L		94	60 - 140	
Bromobenzene	ND		25.0	24.4		ug/L		98	60 - 140	
Chlorobromomethane	ND		25.0	26.1		ug/L		105	60 - 140	
Bromoform	ND		25.0	26.0		ug/L		104	56 - 140	
Bromomethane	ND		25.0	21.3		ug/L		85	23 - 140	
2-Butanone (MEK)	ND		125	87.4		ug/L		70	60 - 140	
n-Butylbenzene	ND		25.0	22.5		ug/L		90	60 - 140	
sec-Butylbenzene	ND		25.0	22.9		ug/L		92	60 - 140	
tert-Butylbenzene	ND		25.0	23.2		ug/L		93	60 - 140	
Carbon disulfide	ND		25.0	19.4		ug/L		78	38 - 140	
Carbon tetrachloride	ND		25.0	23.7		ug/L		95	60 - 140	
Chlorobenzene	ND		25.0	24.4		ug/L		98	60 - 140	
Chloroethane	ND		25.0	19.3		ug/L		77	51 - 140	
Chloroform	ND		25.0	23.1		ug/L		92	60 - 140	
Chloromethane	ND		25.0	15.0		ug/L		60	52 - 140	
2-Chlorotoluene	ND		25.0	22.4		ug/L		90	60 - 140	
4-Chlorotoluene	ND		25.0	22.3		ug/L		89	60 - 140	
Chlorodibromomethane	ND		25.0	25.6		ug/L		102	60 - 140	
1,2-Dichlorobenzene	ND		25.0	23.8		ug/L		95	60 - 140	
1,3-Dichlorobenzene	ND		25.0	25.1		ug/L		100	60 - 140	
1,4-Dichlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140	
1,3-Dichloropropane	ND		25.0	22.2		ug/L		89	60 - 140	

TestAmerica Pleasanton

Client Sample ID: MP-04-3 Prep Type: Total/NA

Client Sample ID: MP-04-3

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49998-7 MS Matrix: Water Analysis Batch: 137513

Toluene-d8 (Surr)

Analysis Baten. 197910	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloropropene	ND		25.0	23.3		ug/L	-	93	60 - 140	
1,2-Dibromo-3-Chloropropane	ND	334	25.0	17.7		ug/L		71	60 - 140	
Ethylene Dibromide	ND		25.0	24.2		ug/L		97	60 - 140	
Dibromomethane	ND		25.0	22.8		ug/L		91	60 - 140	
Dichlorodifluoromethane	ND		25.0	14.7		ug/L		59	38 - 140	
1,1-Dichloroethane	ND		25.0	20.9		ug/L		83	60 - 140	
1,2-Dichloroethane	ND		25.0	20.3		ug/L		81	60 - 140	
1,1-Dichloroethene	ND		25.0	19.4		ug/L		77	60 - 140	
cis-1,2-Dichloroethene	ND		25.0	21.8		ug/L		87	60 - 140	
trans-1,2-Dichloroethene	ND		25.0	21.9		ug/L		87	60 - 140	
1,2-Dichloropropane	ND		25.0	21.6		ug/L		86	60 - 140	
cis-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	60 - 140	
trans-1,3-Dichloropropene	ND		25.0	23.4		ug/L		94	60 - 140	
Ethylbenzene	ND		25.0	22.8		ug/L		91	60 - 140	
Hexachlorobutadiene	ND		25.0	21.6		ug/L		86	60 - 140	
2-Hexanone	ND		125	80.9		ug/L		65	60 - 140	
Isopropylbenzene	ND		25.0	24.7		ug/L		99	60 - 140	
4-Isopropyitoluene	ND		25.0	23.1		ug/L		92	60 - 140	
Methylene Chloride	ND		25.0	20.3		ug/L		81	40 - 140	
4-Methyl-2-pentanone (MIBK)	ND		125	83.1		ug/L		66	58 - 130	
Naphthalene	ND	*	25.0	16.4		ug/L		66	56 - 140	
N-Propylbenzene	ND		25.0	23.2		ug/L		93	60 - 140	
Styrene	ND		25.0	23.8		ug/L		95	60 - 140	
1,1,1,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	60 - 140	
1,1,2,2-Tetrachloroethane	ND.		25.0	19.6		ug/L		79	60 - 140	
Tetrachloroethene	ND		25.0	28.0		ug/L		112	60 - 140	
Toluene	ND		25.0	22.8		ug/L		91	60 - 140	
1,2,3-Trichlorobenzene	ND		25.0	18.7		ug/L		75	60 - 140	
1,2,4-Trichlorobenzene	ND		25.0	21.6		ug/L		87	60 - 140	
1,1,1-Trichloroethane	ND		25.0	24.3		ug/L		97	60 - 140	
1,1,2-Trichloroethane	ND		25.0	23.2		ug/L		93	60 - 140	
Trichloroethene	ND		25.0	25.9		ug/L		104	60 - 140	
Trichlorofluoromethane	ND		25.0	21.2		ug/L		85	60 - 140	
1,2,3-Trichloropropane	ND		25.0	20.3		ug/L		81	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	25.1		ug/L		101	60 - 140	
ne										
1,2,4-Trimethylbenzene	ND		25.0	22.8		ug/L		91	60 - 140	
1,3,5-Trimethylbenzene	ND		25.0	22.8		ug/L		91	60 - 140	
Vinyl acetate	ND		25.0	22.9		ug/L		91	40 - 140	
Vinyl chloride	ND		25.0	17.6		ug/L		70	58 - 140	
m-Xylene & p-Xylene	ND		50.0	46.5		ug/L		93	60 - 140	
o-Xylene	ND		25.0	24.1		ug/L		96	60 - 140	
2,2-Dichloropropane	ND		25.0	25.5		ug/L		102	60 - 140	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	95		67 - 130							
1,2-Dichloroethane-d4 (Surr)	83		75 - 138							

Prep Type: Total/NA

70 - 130

101

Client Sample ID: MP-04-3

Prep Type: Total/NA

7

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49998-7 MSD Matrix: Water Analysis Batch: 137513

Analysis Batch: 137513			Snike	MSD								
Analyte	Sample	Sample Qualifier	Spike Added		MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Methyl tert-butyl ether	ND	quanner	25.0	24.0	Quaimer	ug/L	D	96	60 - 138	10	20	
Acetone	ND		125	78.2		ug/L		63	60 - 130	7	20	à
Benzene	ND		25.0	22.9		ug/L		92	60 - 140	4	20	1
Dichlorobromomethane	ND		25.0	25.0		ug/L		100	60 - 140	6	20	1
Bromobenzene	ND		25.0	25.6		ug/L		100	60 - 140	5	20	
Chlorobromomethane	ND		25.0	27.8		ug/L		111	60 - 140	6	20	
Bromoform	ND		25.0	28.7		ug/L		115	56 - 140	10	20	
Bromomethane	ND		25.0	21.8		ug/L		87	23 - 140	2	20	
2-Butanone (MEK)	ND		125	96.1		ug/L		77	60 - 140	9	20	
n-Butylbenzene	ND		25.0	22.7		ug/L		91	60 - 140	1	20	
sec-Butylbenzene	ND		25.0	23.3		ug/L		93	60 - 140	2	20	
tert-Butylbenzene	ND		25.0	23.8		ug/L		95	60 - 140	3	20	
Carbon disulfide	ND		25.0	19.9		ug/L		80	38 - 140	2	20	
Carbon tetrachloride	ND		25.0	24.4		ug/L		97	60 - 140	3	20	
Chlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140	3	20	
Chloroethane	ND		25.0	19.9		ug/L		80	51 - 140	3	20	
Chloroform	ND		25.0	24.0		ug/L		96	60 - 140	4	20	
Chloromethane	ND		25.0	15.3		ug/L		61	52 - 140	2	20	
2-Chlorotoluene	ND		25.0	23.4		ug/L		94	60 - 140	4	20	
4-Chlorotoluene	ND		25.0	23.1		ug/L		92	60 - 140	4	20	
Chlorodibromomethane	ND		25.0	28.1		ug/L		112	60 - 140	9	20	
1,2-Dichlorobenzene	ND		25.0	24.8		ug/L		99	60 - 140	4	20	
1,3-Dichlorobenzene	ND		25.0	25.6		ug/L		103	60 - 140	2	20	
1,4-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	1	20	
1,3-Dichloropropane	ND		25.0	24.7		ug/L		99	60 - 140	10	20	
1,1-Dichloropropene	ND		25.0	23.9		ug/L		96	60 - 140	3	20	
1,2-Dibromo-3-Chloropropane	ND		25.0	20.7		ug/L		83	60 - 140	16	20	
Ethylene Dibromide	ND		25.0	26.9		ug/L		108	60 - 140	11	20	
Dibromomethane	ND		25.0	25.1		ug/L		100	60 - 140	9	20	
Dichlorodifluoromethane	ND		25.0	15.0		ug/L		60	38 - 140	2	20	
1,1-Dichloroethane	ND		25.0	21.5		ug/L		86	60 - 140	3	20	
1,2-Dichloroethane	ND		25.0	21.9		ug/L		87	60 - 140	7	20	
1,1-Dichloroethene	ND		25.0	20.3		ug/L		81	60 - 140	5	20	
cis-1,2-Dichloroethene	ND		25.0	22.8		ug/L		91	60 - 140	5.	20	
trans-1,2-Dichloroethene	ND		25.0	22.5		ug/L		90	60 - 140	3	20	
1,2-Dichloropropane	ND		25.0	22.9		ug/L		92	60 - 140	6	20	
cis-1,3-Dichloropropene	ND		25.0	26.5		ug/L		106	60 - 140	7	20	
trans-1,3-Dichloropropene	ND		25.0	25.0		ug/L		100	60 - 140	7	20	
Ethylbenzene	ND		25.0	23.5		ug/L		94	60 - 140	3	20	
Hexachlorobutadiene	ND		25.0	22.2		ug/L		89	60 - 140	3	20	
2-Hexanone	ND		125	96.4		ug/L		77	60 - 140	17	20	
Isopropylbenzene	ND		25.0	25.7		ug/L		103	60 - 140	4	20	
4-lsopropyltoluene	ND		25.0	23.2		ug/L		93	60 - 140	1	20	
Methylene Chloride	ND		25.0	21.4		ug/L		85	40 - 140	5	20	
4-Methyl-2-pentanone (MIBK)	ND		125	98.0		ug/L		78	58 - 130	16	20	
Naphthalene	ND	*	25.0	18.8		ug/L		75	56 - 140	14	20	
N-Propylbenzene	ND		25.0	24.1		ug/L		96	60 - 140	4	20	
Styrene	ND		25.0	25.0		ug/L		100	60 - 140	5	20	

Client Sample ID: MP-04-3

Prep Type: Total/NA

# Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-49998-7 MSD Matrix: Water Analysis Batch: 137513

Analysis Baten. Torono	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
1,1,1,2-Tetrachloroethane	ND		25.0	26.8		ug/L		107	60 - 140	5	20	
1,1,2,2-Tetrachloroethane	ND		25.0	22.2		ug/L		89	60 - 140	12	20	
Tetrachloroethene	ND		25.0	29.0		ug/L		116	60 - 140	3	20	1
Toluene	ND		25.0	23.2		ug/L		92	60 - 140	2	20	2
1,2,3-Trichlorobenzene	ND		25.0	20.3		ug/L		81	60 - 140	8	20	
1,2,4-Trichlorobenzene	ND		25.0	22.8		ug/L		91	60 - 140	5	20	
1,1,1-Trichloroethane	ND		25.0	25.0		ug/L		100	60 - 140	3	20	
1,1,2-Trichloroethane	ND		25.0	25.5		ug/L		102	60 - 140	9	20	
Trichloroethene	ND		25.0	26.5		ug/L		106	60 - 140	2	20	
Trichlorofluoromethane	ND		25.0	21.4		ug/L		86	60 - 140	1	20	
1,2,3-Trichloropropane	ND		25.0	23.2		ug/L		93	60 - 140	13	20	
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	26.6		ug/L		106	60 - 140	6	20	
ne												
1,2,4-Trimethylbenzene	ND		25.0	23.3		ug/L		93	60 - 140	2	20	
1,3,5-Trimethylbenzene	ND		25.0	23.3		ug/L		93	60 - 140	2	20	
Vinyl acetate	ND		25.0	25.3		ug/L		101	40 - 140	10	20	
Vinyl chloride	ND		25.0	17.7		ug/L		71	58 - 140	1	20	
m-Xylene & p-Xylene	ND		50.0	48.2		ug/L		96	60 - 140	4	20	
o-Xylene	ND		25.0	25.0		ug/L		100	60 - 140	4	20	
2,2-Dichloropropane	ND		25.0	25.9		ug/L		104	60 _ 140	1	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limite									

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	85		75 - 138
Toluene-d8 (Surr)	102		70 - 130

### Lab Sample ID: MB 720-137681/4

Matrix: Water Analysis Batch: 137681

MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed **Dil Fac** Methyl tert-butyl ether ND 0.50 ug/L 06/05/13 08:50 1 Acetone ND 50 ug/L 06/05/13 08:50 1 Benzene ND 0.50 06/05/13 08:50 ug/L 1 Dichlorobromomethane ND 0.50 ug/L 06/05/13 08:50 1 Bromobenzene ND 1.0 ug/L 06/05/13 08:50 1 Chlorobromomethane ND 1.0 ug/L 06/05/13 08:50 1 Bromoform ND 1.0 ug/L 06/05/13 08:50 1 Bromomethane ND 1.0 ug/L 06/05/13 08:50 1 2-Butanone (MEK) ND 50 ug/L 06/05/13 08:50 1 n-Butylbenzene ND 1.0 ug/L 06/05/13 08:50 1 sec-Butylbenzene ND 1.0 ug/L 06/05/13 08:50 1 tert-Butylbenzene ND 1.0 ug/L 06/05/13 08:50 1 Carbon disulfide ND 5.0 06/05/13 08:50 ug/L 1 Carbon tetrachloride ND 0.50 ug/L 06/05/13 08:50 1 Chlorobenzene ND 0.50 ug/L 06/05/13 08:50 1 Chloroethane ND 1.0 ug/L 06/05/13 08:50 1 Chloroform ND 1.0 06/05/13 08:50 ug/L 1

TestAmerica Pleasanton

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

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### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-137681/4 Matrix: Water Analysis Batch: 137681 Client Sample ID: Method Blank Prep Type: Total/NA

Analysis Batch: 137681	MD	MD						
Analyte		MB Qualifier I	RL MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	1	.0	ug/L			06/05/13 08:50	1
2-Chlorotoluene	ND	0.	50	ug/L			06/05/13 08:50	1
4-Chlorotoluene	ND	0.	50	ug/L			06/05/13 08:50	1
Chlorodibromomethane	ND	0.	50	ug/L			06/05/13 08:50	i
.2-Dichlorobenzene	ND	0.	50	ug/L			06/05/13 08:50	1
,3-Dichlorobenzene	ND	0.	50	ug/L			06/05/13 08:50	1
.4-Dichlorobenzene	ND	0.	50	ug/L			06/05/13 08:50	1
,3-Dichloropropane	ND		.0	ug/L			06/05/13 08:50	1
,1-Dichloropropene	ND	0.	50	ug/L			06/05/13 08:50	1
,2-Dibromo-3-Chloropropane	ND		.0	ug/L			06/05/13 08:50	1
thylene Dibromide	ND	0.	50	ug/L			06/05/13 08:50	1
biomomethane	ND	0.	50	ug/L			06/05/13 08:50	1
vichlorodifluoromethane	ND	0.	50	ug/L			06/05/13 08:50	1
1-Dichloroethane	ND	0.	50	ug/L			06/05/13 08:50	1
,2-Dichloroethane	ND	0.	50	ug/L			06/05/13 08:50	1
,1-Dichloroethene	ND	0.		ug/L			06/05/13 08:50	1
is-1,2-Dichloroethene	ND	0.		ug/L			06/05/13 08:50	1
ans-1,2-Dichloroethene	ND		50	ug/L			06/05/13 08:50	1
,2-Dichloropropane	ND	0.		ug/L			06/05/13 08:50	1
is-1,3-Dichloropropene	ND	0.		ug/L			06/05/13 08:50	1
ans-1,3-Dichloropropene	ND	0.		ug/L			06/05/13 08:50	1
thylbenzene	ND		50	ug/L			06/05/13 08:50	1
exachlorobutadiene	ND		.0	ug/L			06/05/13 08:50	1
-Hexanone	ND		50	ug/L			06/05/13 08:50	1
opropylbenzene	ND		50	ug/L			06/05/13 08:50	1
	ND		.0	ug/L			06/05/13 08:50	1
-Isopropyltoluene	ND		.0 5.0	ug/L			06/05/13 08:50	1
Iethylene Chloride	ND		50	ug/L			06/05/13 08:50	1
-Methyl-2-pentanone (MIBK)	ND		.0	ug/L			06/05/13 08:50	1
laphthalene	ND						06/05/13 08:50	1
-Propylbenzene			.0	ug/L			06/05/13 08:50	1
tyrene	ND		50	ug/L			06/05/13 08:50	1
,1,1,2-Tetrachloroethane	ND		50	ug/L			06/05/13 08:50	1
,1,2,2-Tetrachloroethane	ND		50	ug/L				1
etrachloroethene	ND		50	ug/L			06/05/13 08:50	1
oluene	ND		50	ug/L			06/05/13 08:50	1
,2,3-Trichlorobenzene	ND		.0	ug/L			06/05/13 08:50	
,2,4-Trichlorobenzene	ND		.0	ug/L			06/05/13 08:50	1
1,1-Trichloroethane	ND		50	ug/L			06/05/13 08:50	1
1,2-Trichloroethane	ND		50	ug/L			06/05/13 08:50	1
richloroethene	ND		50	ug/L			06/05/13 08:50	1
richlorofluoromethane	ND		.0	ug/L			06/05/13 08:50	1
,2,3-Trichloropropane	ND		50	ug/L			06/05/13 08:50	1
,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	ug/L			06/05/13 08:50	1
,2,4-Trimethylbenzene	ND		50	ug/L			06/05/13 08:50	1
,3,5-Trimethylbenzene	ND		50	ug/L			06/05/13 08:50	1
/inyl acetate	ND		10	ug/L			06/05/13 08:50	1
/inyl chloride	ND	0.	50	ug/L			06/05/13 08:50	1
Xylenes, Total	ND	· · · · · ·	.0	ug/L			06/05/13 08:50	1

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

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Lab Sample ID: MB 720-13768 Matrix: Water	31/4						Client S	ample ID: Metho Prep Type: 1	
Analysis Batch: 137681	МВ	МВ						Fieh lyhe.	IOLAI/NA
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		0.50		ug/L			06/05/13 08:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			06/05/13 08:50	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130					06/05/13 08:50	1
1,2-Dichloroethane-d4 (Surr)	115		75 - 138					06/05/13 08:50	1

70 - 130

### Lab Sample ID: LCS 720-137681/5

Matrix: Water

Toluene-d8 (Surr)

Analysis Batch: 137681

Client Sample ID: Lab Control Sample Prep Type: Total/NA

06/05/13 08:50

1

Analysis Batch: 13/681	Spike	LCS	LCS				%Rec.	
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
Methyl tert-butyl ether	25.0	25.0	quanner	ug/L		100	62 - 130	
Acetone	125	95.4		ug/L		76	26 - 180	
Benzene	25.0	23.5		ug/L		94	79 - 130	
Dichlorobromomethane	25.0	28.7		ug/L		115	70 - 130	
Bromobenzene	25.0	25.4		ug/L		102	70 - 130	
Chlorobromomethane	25.0	26.8		ug/L		107	70 - 130	
Bromoform	25.0	28.2		ug/L		113	68 - 136	
Bromomethane	25.0	26.8		ug/L		107	43 - 151	
2-Butanone (MEK)	125	103		ug/L		82	54 - 130	
n-Butylbenzene	25.0	25.7		ug/L		103	70 - 142	
sec-Butylbenzene	25.0	25.3		ug/L		101	70 - 134	
tert-Butylbenzene	25.0	25.7		ug/L		103	70 - 135	
Carbon disulfide	25.0	20.8		ug/L		83	58 - 130	
Carbon tetrachloride	25.0	31.8		ug/L		127	70 - 146	
Chlorobenzene	25.0	26.0		ug/L		104	70 - 130	
Chloroethane	25.0	24.0		ug/L		96	62 - 138	
Chloroform	25.0	27.4		ug/L		110	70 - 130	
Chloromethane	25.0	19.2		ug/L		77	52 - 175	
2-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130	
4-Chlorotoluene	25.0	25.6		ug/L		103	70 - 130	
Chlorodibromomethane	25.0	28.7		ug/L		115	70 - 145	
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130	
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130	
1,3-Dichloropropane	25.0	26.4		ug/L		105	70 - 130	
1,1-Dichloropropene	25.0	27.4		ug/L		110	70 - 130	
1,2-Dibromo-3-Chloropropane	25.0	25.5		ug/L		102	70 - 136	
Ethylene Dibromide	25.0	27.1		ug/L		109	70 - 130	
Dibromomethane	25.0	26.6		ug/L		107	70 - 130	
Dichlorodifluoromethane	25.0	20.9		ug/L		84	34 - 132	
I,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130	
1,2-Dichloroethane	25.0	27.9		ug/L		111	61 - 132	
1,1-Dichloroethene	25.0	21.0		ug/L		84	64 - 128	
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	70 - 130	

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCS 720-137681/5 Matrix: Water Analysis Batch: 137681

Analysis Datch. 157001			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
trans-1,2-Dichloroethene			25.0	24.6		ug/L		98	68 - 130	
1,2-Dichloropropane			25.0	24.6		ug/L		98	70 - 130	
cis-1,3-Dichloropropene			25.0	28.7		ug/L		115	70 - 130	
trans-1,3-Dichloropropene			25.0	28.9		ug/L		116	70 - 140	
Ethylbenzene			25.0	24.8		ug/L		99	80 - 120	
Hexachlorobutadiene			25.0	27.3		ug/L		109	70 - 130	
2-Hexanone			125	96.1		ug/L		77	60 - 164	
Isopropylbenzene			25.0	26.2		ug/L		105	70 - 130	
4-Isopropyitoluene			25.0	26.0		ug/L		104	70 - 130	
Methylene Chloride			25.0	24.7		ug/L		99	70 - 147	
4-Methyl-2-pentanone (MIBK)			125	97.9		ug/L		78	58 - 130	
Naphthalene			25.0	22.2		ug/L		89	70 - 130	
N-Propylbenzene			25.0	26.2		ug/L		105	70 - 130	
Styrene			25.0	25.4		ug/L		102	70 - 130	
1,1,1,2-Tetrachloroethane			25.0	28.6		ug/L		115	70 - 130	
1,1,2,2-Tetrachloroethane			25.0	22.8		ug/L		91	70 - 130	
Tetrachloroethene			25.0	28.3		ug/L		113	70 - 130	
Toluene			25.0	23.8		ug/L		95	78 - 120	
1,2,3-Trichlorobenzene			25.0	24.5		ug/L		98	70 - 130	
1,2,4-Trichlorobenzene			25.0	26.0		ug/L		104	70 - 130	
1,1,1-Trichloroethane			25.0	30.2		ug/L		121	70 - 130	
1,1,2-Trichloroethane			25.0	25.3		ug/L		101	70 - 130	
Trichloroethene			25.0	26.5		ug/L		106	70 - 130	
Trichlorofluoromethane			25.0	28.4		ug/L		113	66 - 132	
1,2,3-Trichloropropane			25.0	25.0		ug/L		100	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroetha			25.0	26.7		ug/L		107	42 - 162	
ne										
1,2,4-Trimethylbenzene			25.0	25.7		ug/L		103	70 - 132	
1,3,5-Trimethylbenzene			25.0	25.7		ug/L		103	70 - 130	
Vinyl acetate			25.0	24.1		ug/L		96	43 - 163	
Vinyl chloride			25.0	23.3		ug/L		93	54 - 135	
m-Xylene & p-Xylene			50.0	51.4		ug/L		103	70 - 142	
o-Xylene			25.0	26.1		ug/L		104	70 - 130	
2,2-Dichloropropane			25.0	37.4	*	ug/L		150	70 - 140	
	109	LCS								
Surrogate	%Recovery		Limits							

%Recovery	Qualifier	Limits
103		67 _ 130
110		75 - 138
104		70 - 130
	103 110	110

### Lab Sample ID: LCS 720-137681/7 Matrix: Water

Analysis Batch: 137681 Spike LCS LCS %Rec. Limits Analyte Added **Result Qualifier** Unit D %Rec Gasoline Range Organics (GRO) 500 478 ug/L 96 62 - 120 -C5-C12

TestAmerica Pleasanton

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

#### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

#### TestAmerica Job ID: 720-49998-1

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-137681/7 Matrix: Water Analysis Batch: 137681

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	107		67 - 130
1,2-Dichloroethane-d4 (Surr)	114		75 - 138
Toluene-d8 (Surr)	106		70 - 130

## Lab Sample ID: LCSD 720-137681/6

Matrix: Water Analysis Batch: 137681

#### Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Methyl tert-butyl ether 25.0 25.9 ug/L 104 62 - 130 20 4 Acetone 125 101 ug/L 26 - 180 81 6 30 Benzene 25.0 23.1 ug/L 93 79 - 130 20 1 Dichlorobromomethane 25.0 29.0 ug/L 116 70 - 130 20 1 Bromobenzene 25.0 25.0 ug/L 100 70 - 13020 1 Chlorobromomethane 25.0 27.3 ug/L 109 70 - 130 2 20 Bromoform 25.0 28.7 ug/L 115 68 - 136 2 20 Bromomethane 25.0 25.9 ug/L 104 43 - 151 3 20 2-Butanone (MEK) 125 111 ug/L 88 54 - 1307 20 n-Butylbenzene 25.0 24.3 ug/L 97 70 - 142 6 20 sec-Butylbenzene 25.0 24.2 ua/L 97 70 - 134 5 20 tert-Butylbenzene 25.0 24 8 99 70 . 135 ug/L 4 20 Carbon disulfide 25.0 19.9 ug/L 80 58 - 130 4 20 Carbon tetrachloride 30.9 25.0 ug/L 123 70 - 146 3 20 25.0 25.7 Chlorobenzene 70 - 130 ug/L 103 1 20 25.0 Chloroethane 22.9 ug/L 92 62 - 138 5 20 Chloroform 25.0 27.3 70 - 130 ug/L 109 0 20 Chloromethane 25.0 18.5 74 52 - 175 ug/L 4 20 2-Chlorotoluene 25.0 25.2 ug/L 101 70 - 130 2 20 4-Chlorotoluene 25.0 24.9 100 70 - 130 3 20 ug/L Chlorodibromomethane 25.0 29.4 ug/L 118 70 - 145 3 20 1.2-Dichlorobenzene 25.0 25.3 ug/L 70 - 130 101 0 20 1,3-Dichlorobenzene 25.0 25.5 ug/L 102 70 - 130 3 20 25.4 1,4-Dichlorobenzene 25.0 ug/L 102 70 - 130 20 1 25.0 27.1 1.3-Dichloropropane 108 70 - 130 ua/L 3 20 1,1-Dichloropropene 25 0 26.6 ug/L 106 70 - 130 3 20 1,2-Dibromo-3-Chloropropane 25.0 26.8 ug/L 107 70 - 136 5 20 Ethylene Dibromide 25 0 28.2 ua/L 113 70 - 130 4 20 Dibromomethane 25.0 27 4 ug/L 110 70 - 1303 20 Dichlorodifluoromethane 25.0 20.1 ug/L 80 34 - 132 4 20 1,1-Dichloroethane 25.0 24.5 98 70 - 130 2 20 ug/L 25.0 28.3 1.2-Dichloroethane ug/L 113 61 . 132 2 20 1.1-Dichloroethene 25.0 19.9 ug/L 80 64 - 128 5 20 cis-1,2-Dichloroethene 25.0 25.7 ug/L 103 70 - 130 2 20 trans-1,2-Dichloroethene 25.0 23.6 ug/L 94 68 _ 130 4 20 1,2-Dichloropropane 25.0 24.8 ug/L 99 70 - 130 1 20 cis-1,3-Dichloropropene 25.0 29.1 ug/L 116 70 - 130 1 20 trans-1,3-Dichloropropene 25.0 29.7 ug/L 119 70 - 140 3 20 Ethylbenzene 25.0 24.2 ug/L 97 80 - 120 2 20

#### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: LCSD 720-137681/6 Matrix: Water Analysis Batch: 137681

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Analysis Batch. 157001		Spike	LCSD	LCSD				%Rec.		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Hexachlorobutadiene		25.0	26.1		ug/L		104	70 - 130	4	20	
2-Hexanone		125	105		ug/L		84	60 - 164	9	20	1
lsopropylbenzene		25.0	25.4		ug/L		101	70 - 130	3	20	.B
4-Isopropyltoluene		25.0	24.8		ug/L		99	70 - 130	5	20	1
Methylene Chloride		25.0	24.4		ug/L		98	70 - 147	1	20	
4-Methyl-2-pentanone (MIBK)		125	107		ug/L		85	58 - 130	9	20	
Naphthalene		25.0	23.3		ug/L		93	70 - 130	5	20	
N-Propylbenzene		25.0	25.0		ug/L		100	70 - 130	5	20	
Styrene		25.0	25.1		ug/L		100	70 - 130	1	20	
1,1,1,2-Tetrachloroethane		25.0	29.0		ug/L		116	70 - 130	1	20	
1,1,2,2-Tetrachloroethane		25.0	23.4		ug/L		94	70 - 130	3	20	
Tetrachloroethene		25.0	27.5		ug/L		110	70 - 130	3	20	
Toluene		25.0	23.5		ug/L		94	78 - 120	1	20	
1,2,3-Trichlorobenzene		25.0	24.8		ug/L		99	70 - 130	1	20	
1,2,4-Trichlorobenzene		25.0	26.0		ug/L		104	70 - 130	0	20	
1,1,1-Trichloroethane		25.0	29.3		ug/L		117	70 - 130	3	20	
1,1,2-Trichloroethane		25.0	25.7		ug/L		103	70 - 130	2	20	
Trichloroethene		25.0	26.0		ug/L		104	70 - 130	2	20	
Trichlorofluoromethane		25.0	27.2		ug/L		109	66 - 132	4	20	
1,2,3-Trichloropropane		25.0	25.9		ug/L		103	70 - 130	3	20	
1,1,2-Trichloro-1,2,2-trifluoroetha		25.0	25.2		ug/L		101	42 - 162	6	20	
ne											
1,2,4-Trimethylbenzene		25.0	24.9		ug/L		100	70 - 132	3	20	
1,3,5-Trimethylbenzene		25.0	24.6		ug/L		98	70 - 130	5	20	
Vinyl acetate		25.0	25.0		ug/L		100	43 - 163	4	20	
Vinyl chloride		25.0	21.8		ug/L		87	54 - 135	7	20	
m-Xylene & p-Xylene		50.0	50.0		ug/L		100	70 - 142	3	20	
o-Xylene		25.0	25.8		ug/L		103	70 - 130	1	20	
2,2-Dichloropropane		25.0	35.1		ug/L		140	70 - 140	7	20	
	LCSD LCSD										

LUSD	LUSD	
%Recovery	Qualifier	Limits
103		67 - 130
111		75-138
104		70 - 130
	%Recovery 103 111	111

#### Lab Sample ID: LCSD 720-137681/8 Matrix: Water

Analysis Batch: 137681

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)	500	488		ug/L		98	62 - 120	2	20
-C5-C12									

2		LCSD	1 5 14
Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene	107		67 - 130
1,2-Dichloroethane-d4 (Surr)	119		75 - 138
Toluene-d8 (Surr)	105		70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

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### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

### Lab Sample ID: 720-50111-A-1 MS Matrix: Water Analysis Batch: 137681

Analysis Daten. 157001	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits
Methyl tert-butyl ether	ND		25.0	28.0		ug/L		112	60 - 138
Acetone	ND		125	96.2		ug/L		77	60 - 140
Benzene	ND		25.0	23.8		ug/L		95	60 - 140
Dichlorobromomethane	ND		25.0	30.3		ug/L		121	60 - 140
Bromobenzene	ND		25.0	25.0		ug/L		100	60 - 140
Chlorobromomethane	ND		25.0	28.6		ug/L		114	60 - 140
Bromoform	ND		25.0	28.5		ug/L		114	56 - 140
Bromomethane	ND		25.0	23.6		ug/L		94	23 - 140
2-Butanone (MEK)	ND		125	106		ug/L		85	60 - 140
n-Butylbenzene	ND		25.0	23.3		ug/L		93	60 - 140
sec-Butylbenzene	ND		25.0	23.2		ug/L		93	60 - 140
tert-Butylbenzene	ND		25.0	24.0		ug/L		96	60 - 140
Carbon disulfide	ND		25.0	20.3		ug/L		81	38 - 140
Carbon tetrachloride	ND		25.0	30.5		ug/L		122	60 - 140
Chlorobenzene	ND		25.0	25.9		ug/L		104	60 - 140
Chloroethane	ND		25.0	22.7		ug/L		91	51 - 140
Chloroform	ND		25.0	28.1		ug/L		112	60 - 140
Chloromethane	ND		25.0	18.2		ug/L		73	52 - 140
2-Chlorotoluene	ND		25.0	24.6		ug/L		98	60 - 140
4-Chlorotoluene	ND		25.0	24.5		ug/L		98	60 - 140
Chlorodibromomethane	ND		25.0	30.6		ug/L		122	60 - 140
1,2-Dichlorobenzene	ND		25.0	25.8		ug/L		103	60 - 140
1,3-Dichlorobenzene	ND		25.0	25.7		ug/L		103	60 - 140
1,4-Dichlorobenzene	ND		25.0	25.6		ug/L		102	60 - 140
1,3-Dichloropropane	ND		25.0	28.6		ug/L		114	60 - 140
1,1-Dichloropropene	ND		25.0	26.2		ug/L		105	60 - 140
1,2-Dibromo-3-Chloropropane	ND		25.0	27.0		ug/L		108	60 - 140
Ethylene Dibromide	ND		25.0	30.5		ug/L		122	60 - 140
Dibromomethane	ND		25.0	28.8		ug/L		115	60 - 140
Dichlorodifluoromethane	ND		25.0	20.1		ug/L		80	38 - 140
1,1-Dichloroethane	ND		25.0	24.8		ug/L		99	60 - 140
1,2-Dichloroethane	ND		25.0	30.1		ug/L		120	60 - 140
1,1-Dichloroethene	ND		25.0	19.5		ug/L		78	60 - 140
cis-1,2-Dichloroethene	ND		25.0	26.5		ug/L		106	60 - 140
trans-1,2-Dichloroethene	ND		25.0	22.9		ug/L		92	60 - 140
1,2-Dichloropropane	ND		25.0	26.0		ug/L		104	60 - 140
cis-1,3-Dichloropropene	ND		25.0	30.5		ug/L		122	60 - 140
trans-1,3-Dichloropropene	ND		25.0	31.2		ug/L		125	60 - 140
Ethylbenzene	ND		25.0	23.9		ug/L		96	60 - 140
Hexachlorobutadiene	ND		25.0	25.7		ug/L		103	60 - 140
2-Hexanone	ND		125	113		ug/L		91	60 - 140
Isopropylbenzene	ND		25.0	24.9		ug/L		100	60 - 140
4-Isopropyltoluene	ND		25.0	24.3		ug/L		97	60 - 140
Methylene Chloride	ND		25.0	24.2		ug/L		97	40 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	117		ug/L		93	58 - 130
Naphthalene	ND		25.0	24.2		ug/L		97	56 - 140
N-Propylbenzene	ND		25.0	23.8		ug/L		95	60 - 140
Styrene	ND		25.0	25.5		ug/L		102	60 - 140

**Client Sample ID: Matrix Spike** 

Prep Type: Total/NA

### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

### Lab Sample ID: 720-50111-A-1 MS Matrix: Water Analysis Batch: 137681

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1,2-Tetrachloroethane	ND		25.0	29.7		ug/L		119	60 - 140	
1,1,2,2-Tetrachloroethane	ND		25.0	23.6		ug/L		95	60 - 140	
Tetrachloroethene	ND		25.0	27.2		ug/L		109	60 - 140	
Toluene	2.0		25.0	24.8		ug/L		91	60 - 140	
1,2,3-Trichlorobenzene	ND		25.0	26.0		ug/L		104	60 - 140	
1,2,4-Trichlorobenzene	ND		25.0	26.9		ug/L		108	60 - 140	
1,1,1-Trichloroethane	ND		25.0	28.8		ug/L		115	60 - 140	22
1,1,2-Trichloroethane	ND		25.0	27.8		ug/L		111	60 - 140	
Trichloroethene	ND		25.0	25.7		ug/L		103	60 - 140	
Trichlorofluoromethane	ND		25.0	26.7		ug/L		107	60 - 140	
1,2,3-Trichloropropane	ND		25.0	26.1		ug/L		104	60 - 140	
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	24.7		ug/L		99	60 - 140	
ne 1,2,4-Trimethylbenzene	ND		25.0	24.6		ug/L		98	60 - 140	
1,3,5-Trimethylbenzene	ND		25.0	24.2		ug/L		97	60 - 140	
Vinyl acetate	ND		25.0	26.7		ug/L		107	40 - 140	
Vinyl chloride	ND		25.0	22.0		ug/L		86	58 - 140	
m-Xylene & p-Xylene	ND		50.0	49.2		ug/L		98	60 - 140	
o-Xylene	ND		25.0	25.8		ug/L		103	60 - 140	
2,2-Dichloropropane	ND	*	25.0	33.4		ug/L		134	60 - 140	
	MS	MS								
		0	1 1 16							

%Recovery	Qualifier	Limits
106		67 - 130
119		75 - 138
105		70 - 130
	106 119	119

### Lab Sample ID: 720-50111-A-1 MSD

Matrix: Water Analysis Batch: 137681

Analysis Batch: 13/681	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	ND		25.0	25.3		ug/L		101	60 - 138	10	20
Acetone	ND		125	83.8		ug/L		67	60 - 140	14	20
Benzene	ND		25.0	23.2		ug/L		93	60 - 140	2	20
Dichlorobromomethane	ND		25.0	29.1		ug/L		116	60 - 140	4	20
Bromobenzene	ND		25.0	25.1		ug/L		100	60 - 140	0	20
Chlorobromomethane	ND		25.0	26.7		ug/L		107	60 - 140	7	20
Bromoform	ND		25.0	26.7		ug/L		107	56 - 140	7	20
Bromomethane	ND		25.0	23.3		ug/L		93	23 - 140	1	20
2-Butanone (MEK)	ND		125	96.9		ug/L		77	60 - 140	9	20
n-Butylbenzene	ND		25.0	23.3		ug/L		93	60 - 140	0	20
sec-Butylbenzene	ND		25.0	23.4		ug/L		94	60 - 140	1	20
tert-Butylbenzene	ND		25.0	24.2		ug/L		97	60 - 140	1	20
Carbon disulfide	ND		25.0	19.9		ug/L		80	38 - 140	2	20
Carbon tetrachloride	ND		25.0	30.0		ug/L		120	60 - 140	2	20
Chlorobenzene	ND		25.0	25.4		ug/L		101	60 - 140	2	20
Chloroethane	ND		25.0	22.4		ug/L		89	51 - 140	1	20
Chloroform	ND		25.0	27.2		ug/L		109	60 - 140	3	20

TestAmerica Pleasanton

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

7

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### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

#### Lab Sample ID: 720-50111-A-1 MSD Matrix: Water Analysis Batch: 137681

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Analysis Batch: 137681												
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloromethane	ND		25.0	17.9		ug/L		71	52 - 140	2	20	
2-Chlorotoluene	ND		25.0	25.1		ug/L		100	60 - 140	2	20	1
4-Chlorotoluene	ND		25.0	24.8		ug/L		99	60 - 140	1	20	1
Chlorodibromomethane	ND		25.0	29.0		ug/L		116	60 - 140	5	20	1
1,2-Dichlorobenzene	ND		25.0	25.3		ug/L		101	60 - 140	2	20	
1,3-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	1	20	
1,4-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	0	20	
1,3-Dichloropropane	ND		25.0	26.7		ug/L		107	60 - 140	7	20	
1,1-Dichloropropene	ND		25.0	25.7		ug/L		103	60 - 140	2	20	
1,2-Dibromo-3-Chloropropane	ND		25.0	24.1		ug/L		96	60 - 140	12	20	
Ethylene Dibromide	ND		25.0	27.5		ug/L		110	60 - 140	10	20	
Dibromomethane	ND		25.0	26.6		ug/L		106	60 - 140	8	20	
Dichlorodifluoromethane	ND		25.0	19.9		ug/L		80	38 - 140	1	20	
1,1-Dichloroethane	ND		25.0	24.5		ug/L		98	60 - 140	1	20	
1,2-Dichloroethane	ND		25.0	28.3		ug/L		113	60 - 140	6	20	
1,1-Dichloroethene	ND		25.0	18.7		ug/L		75	60 - 140	4	20	
cis-1,2-Dichloroethene	ND		25.0	25.8		ug/L		103	60 - 140	3	20	
trans-1,2-Dichloroethene	ND		25.0	22.5		ug/L		90	60 - 140	2	20	
1,2-Dichloropropane	ND		25.0	24.7		ug/L		99	60 - 140	5	20	
cis-1,3-Dichloropropene	ND		25.0	29.2		ug/L		117	60 - 140	4	20	
trans-1,3-Dichloropropene	ND		25.0	29.2		ug/L		117	60 - 140	7	20	
Ethylbenzene	ND		25.0	23.4		ug/L		94	60 - 140	2	20	
Hexachlorobutadiene	ND		25.0	26.2		ug/L		105	60 - 140	2	20	
2-Hexanone	ND		125	96.3		ug/L		77	60 - 140	16	20	
Isopropylbenzene	ND		25.0	24.4		ug/L		98	60 - 140	2	20	
4-Isopropyltoluene	ND		25.0	24.4		ug/L		98	60 - 140	0	20	
Methylene Chloride	ND		25.0	23.2		ug/L		93	40 - 140	5	20	
4-Methyl-2-pentanone (MIBK)	ND		125	99.2		ug/L		79	58 - 130	16	20	
Naphthalene	ND		25.0	22.3		ug/L		89	56 - 140	8	20	
N-Propylbenzene	ND		25.0	24.3		ug/L		97	60 - 140	2	20	
Styrene	ND		25.0	24.6		ug/L		99	60 - 140	3	20	
1,1,1,2-Tetrachloroethane	ND		25.0	28.9		ug/L		115	60 - 140	3	20	
1,1,2,2-Tetrachloroethane	ND		25.0	21.9		ug/L		87	60 - 140	8	20	
Tetrachloroethene	ND		25.0	26.9		ug/L		108	60 - 140	1	20	
Toluene	2.0		25.0	24.3		ug/L		89	60 - 140	2	20	
1,2,3-Trichlorobenzene	ND		25.0	25.0		ug/L		100	60 - 140	4	20	
1,2,4-Trichlorobenzene	ND		25.0	26.5		ug/L		106	60 - 140	2	20	
1,1,1-Trichloroethane	ND		25.0	28.4		ug/L		114	60 - 140	1	20	
1,1,2-Trichloroethane	ND		25.0	25.8		ug/L		103	60 - 140	7	20	
Trichloroethene	ND		25.0	25.3		ug/L		101	60 - 140	2	20	
Trichlorofluoromethane	ND		25.0	26.0		ug/L		104	60 - 140	3	20	
1,2,3-Trichloropropane	ND		25.0	24.2		ug/L		97	60 - 140	8	20	
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		25.0	23.8		ug/L		95	60 <u>-</u> 140	4	20	
ne	110		20.0	20.0		ugit		55	00-140	-	20	
1,2,4-Trimethylbenzene	ND		25.0	24.6		ug/L		99	60 - 140	0	20	
1,3,5-Trimethylbenzene	ND		25.0	24.5		ug/L		98	60 - 140	1	20	
Vinyl acetate	ND		25.0	23.9		ug/L		96	40 - 140	11	20	
Vinyl chloride	ND		25.0	21.7		ug/L		85	58 - 140	1	20	
,			20.0					00			20	

### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

#### TestAmerica Job ID: 720-49998-1

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### Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

### Lab Sample ID: 720-50111-A-1 MSD Matrix: Water

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Analysis Batch: 137681											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	ND		50.0	48.7		ug/L		97	60 - 140	1	20
o-Xylene	ND		25.0	25.2		ug/L		101	60 - 140	2	20
2,2-Dichloropropane	ND	*	25.0	33.5		ug/L		134	60 _ 140	0	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene	105		67 - 130								
1,2-Dichloroethane-d4 (Surr)	116		75 - 138			3					
Toluene-d8 (Surr)	105		70 - 130								

# **QC Association Summary**

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-49998-1

### GC/MS VOA

Analysis Batch: 137420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-49925-B-1 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
20-49925-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT	
20-49998-15	MW-200	Total/NA	Water	MS 8260B/CA_LUFT	
CS 720-137420/6	Lab Control Sample	Total/NA	Water	MS 8260B/CA_LUFT	
CS 720-137420/8	Lab Control Sample	Total/NA	Water	MS 8260B/CA_LUFT	
CSD 720-137420/7	Lab Control Sample Dup	Total/NA	Water	MS 8260B/CA_LUFT	
SD 720-137420/9	Lab Control Sample Dup	Total/NA	Water	MS 8260B/CA_LUFT	
B 720-137420/5	Method Blank	Total/NA	Water	MS 8260B/CA_LUFT	18
				MS	
alysis Batch: 137421	1				
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
20-49978-B-15 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
20-49978-B-15 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT	
20-49998-5	MP-04-2	Total/NA	Water	MS 8260B/CA_LUFT	
20-49998-6	MP-04-1	Total/NA	Water	MS 8260B/CA_LUFT	
20-49998-8	MP-01-2	Total/NA	Water	MS 8260B/CA_LUFT	
20-49998-9	MP-02-1	Total/NA	Water	MS 8260B/CA_LUFT	
CS 720-137421/6	Lab Control Sample	Total/NA	Water	MS 8260B/CA_LUFT	
CS 720-137421/8	Lab Control Sample	Total/NA	Water	MS 8260B/CA_LUFT	
CSD 720-137421/7	Lab Control Sample Dup	Total/NA	Water	MS 8260B/CA_LUFT	
CSD 720-137421/9	Lab Control Sample Dup	Total/NA	Water	MS 8260B/CA_LUFT	
B 720-137421/5	Method Blank	Total/NA	Water	MS 8260B/CA_LUFT	
				MS	
lysis Batch: 137422					

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-49978-B-2 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT	
				MS	18
720-49978-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT	
				MS	
720-49998-2	MVV-03	Total/NA	Water	8260B/CA_LUFT	
	100 C 100			MS	
720-49998-3	MP-03-3	Total/NA	Water	8260B/CA_LUFT	
				MS	
720-49998-4	MP-03-1	Total/NA	Water	8260B/CA_LUFT	
1 00 700 107 100 0			424	MS	
LCS 720-137422/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	

# **QC Association Summary**

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-49998-1

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### GC/MS VOA (Continued)

# Analysis Batch: 137422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-137422/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-137422/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
_CSD 720-137422/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-137422/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	
nalysis Batch: 13751:	3				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-49998-7	MP-04-3	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-7 MS	MP-04-3	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-7 MSD	MP-04-3	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-10	MP-02-2	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-11	MP-02-3	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-12	MVV-01	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-13	MP-01-1	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-14	MW-02	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-16	MP-01-3	Total/NA	Water	8260B/CA_LUFT MS	
720-49998-17	TB052913-1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-137513/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-137513/9	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-137513/10	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-137513/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-137513/6	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

#### Analysis Batch: 137681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-49998-1	TB052913-2	Total/NA	Water	8260B/CA_LUFT	
				MS	
720-50111-A-1 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT	
				MS	
720-50111-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-137681/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-137681/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCSD 720-137681/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT	
				MS	

# **QC Association Summary**

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-49998-1

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### GC/MS VOA (Continued)

### Analysis Batch: 137681 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-137681/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-137681/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

# Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

Total/NA

8260B/CA_LUFTMS

Analysis

TestAmerica Job ID: 720-49998-1

: ID: TB05	2913-2						Lab Sample ID:	720-49998-1
05/29/13 10:0	05							Matrix: Water
05/30/13 08:0	00							
Batch	Batch		Dilution	Batch	Prepared			
	Method	Run	Factor	Number		Analyst	Lab	
Analysis	8260B/CA_LUFTMS		1	137681	06/05/13 14:49	AC	TAL PLS	
D: MW-0	3						Lab Sample ID:	720-49998-2
								Matrix: Water
05/30/13 08:0	00							
Batch	Batch		Dilution	Batch	Prepared			
	Method	Run	Factor	Number		Analyst	Lab	
Analysis	8260B/CA_LUFTMS		1	137422	05/31/13 15:50	AC	TAL PLS	
							Lab Sample ID:	
								Matrix: Water
05/30/13 08:0	00							
Batch	Batch		Dilution	Batch	Prepared			
Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Analysis	8260B/CA_LUFTMS		1	137422	05/31/13 16:16	AC	TAL PLS	
	3_1						Lah Sample ID:	720-49998-4
							Lub oumpie ib.	Matrix: Water
								matrix. Frater
	P. ( )		D1. 4					
		Bun				Analyst	Lab	
		Kull						
7 marysis			,	10/ 422	00/01/10 10.42	/10	INC PLO	
D: MP-04	4-2						Lab Sample ID:	720-49998-5
								Matrix: Water
05/30/13 08:0	00							
Batch	Batch		Dilution	Batch	Prepared			
Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
	8260B/CA_LUFTMS		1	137421	05/31/13 15:52	AC	TAL PLS	
Analysis								
							Lab Sample ID:	720-49998-6
D: MP-04	4-1						Lab Sample ID:	
	4-1 55						Lab Sample ID:	720-49998-6 Matrix: Water
e ID: MP-04 05/29/13 13:	4-1 55		Dilution	Batch	Prepared		Lab Sample ID:	
	D5/30/13 08:0 Batch Type Analysis D5/29/13 10:: 05/30/13 08:0 Batch Type Analysis D1: MP-03 05/29/13 12:: 05/30/13 08:0 Batch Type Analysis D1: MP-03 05/29/13 13:: 05/30/13 08:0 Batch Type Analysis D1: MP-04 05/29/13 13:: 05/30/13 08:0 Batch Type Analysis	Batch       Batch         Type       Method         Analysis       8260B/CA_LUFTMS         05/29/13 10:35       05/29/13 10:35         05/30/13 08:00       Batch         Batch       Batch         Type       Method         Analysis       8260B/CA_LUFTMS         05/29/13 10:35       05/30/13 08:00         Batch       Batch         Type       Method         Analysis       8260B/CA_LUFTMS         05/29/13 12:35       05/30/13 08:00         Batch       Batch         Type       Method         Analysis       8260B/CA_LUFTMS         05/29/13 12:35       05/30/13 08:00         05/29/13 13:00       05/29/13 13:00         05/29/13 13:00       05/30/13 08:00         Batch       Type         Batch       Batch         Type       Method         Analysis       8260B/CA_LUFTMS         05/30/13 08:00       8260B/CA_LUFTMS	Batch       Batch       Run         Type       Method       Run         Analysis       8260B/CA_LUFTMS       Run         D5/29/13 10:35       05/29/13 10:35       Statch       Run         D5/30/13 08:00       Batch       Run         Batch       Batch       Run         Analysis       8260B/CA_LUFTMS       Run         Analysis       8260B/CA_LUFTMS       Run         Analysis       8260B/CA_LUFTMS       Run         Analysis       8260B/CA_LUFTMS       Statch         Type       Method       Run         Analysis       8260B/CA_LUFTMS       Statch         Type       Method       Run         Analysis       8260B/CA_LUFTMS       Statch         Type       Method       Run         Analysis       8260B/CA_LUFTMS       Statch         StD: MP-03-1       Statch       Run         O5/30/13 08:00       8260B/CA_LUFTMS       Run         Analysis       8260B/CA_LUFTMS       Run         Analysis       8260B/CA_LUFTMS       Statch         Type       Method       Run         O5/29/13 13:40       Statch       Statch         O5/30/13 08:00	Batch       Batch       Dilution         Type       Method       Run       Factor         Analysis       8260B/CA_LUFTMS       1         PLD:       MWV-03       1         05/29/13 10:35       05/29/13 10:35       1         05/30/13 08:00       Batch       Batch       Dilution         Type       Method       Run       Factor         Analysis       8260B/CA_LUFTMS       1       1         05/29/13 12:35       05/29/13 12:35       1       1         05/29/13 12:35       05/30/13 08:00       1       1         Batch       Batch       Method       Run       Factor         Analysis       8260B/CA_LUFTMS       1       1         05/29/13 12:35       05/30/13 08:00       1       1         05/29/13 13:00       05/29/13 13:00       1       1         05/29/13 13:00       05/30/13 08:00       1       1         05/29/13 13:00       05/29/13 13:40       1       1         05/29/13 13:40       05/29/13 13:40       1       1         05/29/13 08:00       05/20/13 08:00       1       1	Batch       Batch       Run       Dilution       Batch         Type       Method       Run       Factor       Number         Analysis       8260B/CA_LUFTMS       1       137681         21 D: MW-03       05/29/13 10:35       05/29/13 08:00       Batch       Batch       Batch         305/29/13 10:35       05/29/13 08:00       8260B/CA_LUFTMS       Dilution       Batch         Analysis       8260B/CA_LUFTMS       Run       Factor       Number         Analysis       8260B/CA_LUFTMS       1       137422         2 ID: MP-03-3       05/29/13 12:35       05/30/13 08:00       Batch       Batch       Secord         2 ID: MP-03-1       05/29/13 12:35       05/30/13 08:00       1       137422         2 ID: MP-03-1       05/29/13 13:00       05/29/13 13:00       05/30/13 08:00       Eatch       Secord         Batch       Batch       Dilution       Batch       Number         Analysis       8260B/CA_LUFTMS       1       137422         2 ID: MP-03-1       05/30/13 08:00       1       137422         2 ID: MP-04-2       05/29/13 13:40       1       137422         3 ID: MP-04-2       05/29/13 13:40       05/29/13 13:40       1 <td>Batch       Batch       Batch       Run       Dilution       Batch       Prepared or Analyzed         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49         a lD:       MWV-03       137681       06/05/13 14:49         a lD:       MWV-03       05/29/13 10:35       137681       06/05/13 14:49         b lD:       Method       Run       Factor       Number       or Analyzed         b lD:       Method       Run       Factor       Number       or Analyzed         b lD:       Method       Run       Factor       Number       or Analyzed         a nalysis       8260B/CA_LUFTMS       1       137422       05/31/13 15:50         b lD:       MP-03-3       05/29/13 12:35       05/30/13 08:00       05/31/13 16:16         B atch       Batch       Run       Factor       Number       or Analyzed         a nalysis       8260B/CA_LUFTMS       1       137422       05/31/13 16:16         b lD:       MP-03-1       05/29/13 13:00       05/31/13 16:16       05/31/13 16:42         b lD:       MP-04-2       05/31/13 16:42       137422       05/31/13 16:42         b lD:       MP-04-2       05/29/13 13:40       05/30/13 08</td> <td>Batch       Batch       Dilution       Batch       Prepared         Type       Method       Run       Factor       Number       or Analyzed       Analysis         26 ID: MW-03       05/29/13 10:35       05/29/13 10:35       05/29/13 10:35       05/29/13 08:00       Analysis       Batch       Prepared       Analysis         Batch       Batch       Batch       Dilution       Batch       Prepared       Analysis         05/29/13 10:35       05/30/13 08:00       Batch       Prepared       Analysis       Analysis         Batch       Batch       Batch       Dilution       Batch       Prepared       Analysis         1       137422       05/31/13 15:50       AC       AC       Ac         21 D: MP-03-3       05/29/13 12:35       05/31/13 16:16       AC       Analysis       Analysis         Batch       Batch       Batch       Prepared       Of/31/13 16:16       AC         21 D: MP-03-1       05/23/13 13:00       05/31/13 16:16       AC       AC         22 DI: MP-03-1       Batch       Batch       Prepared       Or Analyzed       Analysti         32 D5/29/13 13:00       05/31/13 08:00       1       137422       05/31/13 16:42       AC     <td>Batch       Batch       Batch       Dilution       Batch       Prepared         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49       AC       TAL PLS         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49       AC       TAL PLS         Batch       Batch       Batch       Dilution       Batch       Prepared       TAL PLS         D5/29/13 10:35       05/29/13 10:35       05/31/13 15:50       AC       TAL PLS         Batch       Batch       Dilution       Batch       Prepared       of/31/13 15:50       AC       TAL PLS         Batch       Batch       Dilution       Batch       Prepared       of/31/13 15:50       AC       TAL PLS         PLD: MP-03-3       Lab Sample ID:       05/31/13 16:16       AC       TAL PLS         Batch       Batch       Run       Factor       Number       of/31/13 16:16       AC       TAL PLS         PLD: MP-03-1       Lab Sample ID:       05/31/13 16:16       AC       TAL PLS       Lab Sample ID:         05/29/13 13:00       05/30/13 08:00       1       137422       05/31/13 16:42       AC       TAL PLS         Batch       Batch       Batch       &lt;</td></td>	Batch       Batch       Batch       Run       Dilution       Batch       Prepared or Analyzed         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49         a lD:       MWV-03       137681       06/05/13 14:49         a lD:       MWV-03       05/29/13 10:35       137681       06/05/13 14:49         b lD:       Method       Run       Factor       Number       or Analyzed         b lD:       Method       Run       Factor       Number       or Analyzed         b lD:       Method       Run       Factor       Number       or Analyzed         a nalysis       8260B/CA_LUFTMS       1       137422       05/31/13 15:50         b lD:       MP-03-3       05/29/13 12:35       05/30/13 08:00       05/31/13 16:16         B atch       Batch       Run       Factor       Number       or Analyzed         a nalysis       8260B/CA_LUFTMS       1       137422       05/31/13 16:16         b lD:       MP-03-1       05/29/13 13:00       05/31/13 16:16       05/31/13 16:42         b lD:       MP-04-2       05/31/13 16:42       137422       05/31/13 16:42         b lD:       MP-04-2       05/29/13 13:40       05/30/13 08	Batch       Batch       Dilution       Batch       Prepared         Type       Method       Run       Factor       Number       or Analyzed       Analysis         26 ID: MW-03       05/29/13 10:35       05/29/13 10:35       05/29/13 10:35       05/29/13 08:00       Analysis       Batch       Prepared       Analysis         Batch       Batch       Batch       Dilution       Batch       Prepared       Analysis         05/29/13 10:35       05/30/13 08:00       Batch       Prepared       Analysis       Analysis         Batch       Batch       Batch       Dilution       Batch       Prepared       Analysis         1       137422       05/31/13 15:50       AC       AC       Ac         21 D: MP-03-3       05/29/13 12:35       05/31/13 16:16       AC       Analysis       Analysis         Batch       Batch       Batch       Prepared       Of/31/13 16:16       AC         21 D: MP-03-1       05/23/13 13:00       05/31/13 16:16       AC       AC         22 DI: MP-03-1       Batch       Batch       Prepared       Or Analyzed       Analysti         32 D5/29/13 13:00       05/31/13 08:00       1       137422       05/31/13 16:42       AC <td>Batch       Batch       Batch       Dilution       Batch       Prepared         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49       AC       TAL PLS         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49       AC       TAL PLS         Batch       Batch       Batch       Dilution       Batch       Prepared       TAL PLS         D5/29/13 10:35       05/29/13 10:35       05/31/13 15:50       AC       TAL PLS         Batch       Batch       Dilution       Batch       Prepared       of/31/13 15:50       AC       TAL PLS         Batch       Batch       Dilution       Batch       Prepared       of/31/13 15:50       AC       TAL PLS         PLD: MP-03-3       Lab Sample ID:       05/31/13 16:16       AC       TAL PLS         Batch       Batch       Run       Factor       Number       of/31/13 16:16       AC       TAL PLS         PLD: MP-03-1       Lab Sample ID:       05/31/13 16:16       AC       TAL PLS       Lab Sample ID:         05/29/13 13:00       05/30/13 08:00       1       137422       05/31/13 16:42       AC       TAL PLS         Batch       Batch       Batch       &lt;</td>	Batch       Batch       Batch       Dilution       Batch       Prepared         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49       AC       TAL PLS         Analysis       8260B/CA_LUFTMS       1       137681       06/05/13 14:49       AC       TAL PLS         Batch       Batch       Batch       Dilution       Batch       Prepared       TAL PLS         D5/29/13 10:35       05/29/13 10:35       05/31/13 15:50       AC       TAL PLS         Batch       Batch       Dilution       Batch       Prepared       of/31/13 15:50       AC       TAL PLS         Batch       Batch       Dilution       Batch       Prepared       of/31/13 15:50       AC       TAL PLS         PLD: MP-03-3       Lab Sample ID:       05/31/13 16:16       AC       TAL PLS         Batch       Batch       Run       Factor       Number       of/31/13 16:16       AC       TAL PLS         PLD: MP-03-1       Lab Sample ID:       05/31/13 16:16       AC       TAL PLS       Lab Sample ID:         05/29/13 13:00       05/30/13 08:00       1       137422       05/31/13 16:42       AC       TAL PLS         Batch       Batch       Batch       <

TAL PLS

1

137421 05/31/13 16:20 AC

### Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-49998-1

<b>Client Samp</b>	le ID: MP-04	4-3						Lab Sample	ID: 720-49998-7
Date Collected									Matrix: Water
Date Received:	: 05/30/13 08:0	00							
	Batch	Batch		Dilution	Batch	Prepared			
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	<u>.</u>
Total/NA	Analysis	8260B/CA_LUFTMS		1	137513	06/03/13 11:31	AC	TAL PLS	
Client Samp	le ID: MP-0	1-2						Lab Sample	ID: 720-49998-8
Date Collected	: 05/29/13 13:	50							Matrix: Water
Date Received:	05/30/13 08:0	00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		1	137421	05/31/13 16:48	AC	TAL PLS	
Client Sampl	e ID: MP-0	2-1						ah Samnle	ID: 720-49998-9
Date Collected:								en oumpie	Matrix: Water
Date Received:									watity. water
-									
<b>D T</b>	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		1	137421	05/31/13 17:16	AC	TAL PLS	
Client Sampl	e ID: MP-02	2-2					La	ab Sample II	): 720-49998-10
Date Collected:	05/29/13 14:	50							Matrix: Water
Date Received:	05/30/13 08:0	00							
	Batch	Batch		Dilution	Batch	Prepared			
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		1	137513	06/03/13 15:26	AC	TAL PLS	
Client Sampl	e ID: MP-02	2-3					L	ab Sample II	): 720-49998-11
Date Collected:	05/29/13 10:1	10							Matrix: Water
Date Received:	05/30/13 08:0	00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		1	137513	06/03/13 15:52		TAL PLS	
Client Sampl		1					1.4	ah Samala IF	): 720-49998-12
Date Collected:							L.(	an Gample IL	Matrix: Water
Date Received:									warrix: water
	Batch	Batch		Dilution	Batch	Prepared			
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		2	137513	06/03/13 13:41	AC	TAL PLS	

### Lab Chronicle

### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-49998-1

9

Client Sampl							La	ab Sample II	D: 720-49998-13
Date Collected:									Matrix: Wate
Date Received:	05/30/13 08:0	10							
	Batch	Batch		Dilution	Batch	Prepared			
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		2	137513	06/03/13 14:07	AC	TAL PLS	
Client Sampl	le ID: MW-0	2					La	ab Sample II	D: 720-49998-14
Date Collected:	: 05/29/13 13:3	30							Matrix: Wate
Date Received:	05/30/13 08:0	00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		1	137513	06/03/13 14:34	AC	TAL PLS	
Client Sampl	: 05/29/13 13:4	40					La	ab Sample II	D: 720-49998-1 Matrix: Wate
	Batch	Batch	Dura	Dilution	Batch Number	Prepared	Analyst	Lab	
Prep Type Total/NA	Type Analysis	Method 8260B/CA_LUFTMS	Run	Factor	137420	or Analyzed	Analyst AC	TAL PLS	
Total/INA	Analysis	8200B/CA_LOFTING			10/420	00/01/10 17:14	NO	INET LO	
Client Sampl	le ID: MP-01	1-3					La	ab Sample II	D: 720-49998-10
Date Collected: Date Received:									Matrix: Wate
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		1	137513	06/03/13 12:49	AC	TAL PLS	
Client Sampl	le ID: TB052	2913-1					La	ab Sample II	D: 720-49998-17
Date Collected	: 05/29/13 07:0	00							Matrix: Wate
Date Received:	: 05/30/13 08:0	00							
	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
							10	TALDIO	

Total/NA	Analysis	8260B/CA_LUFTMS	1

#### Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

137513 06/03/13 13:15 AC

TAL PLS

#### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

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### Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

# Method Summary

### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

11

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS	SW846	TAL PLS

#### Protocol References:

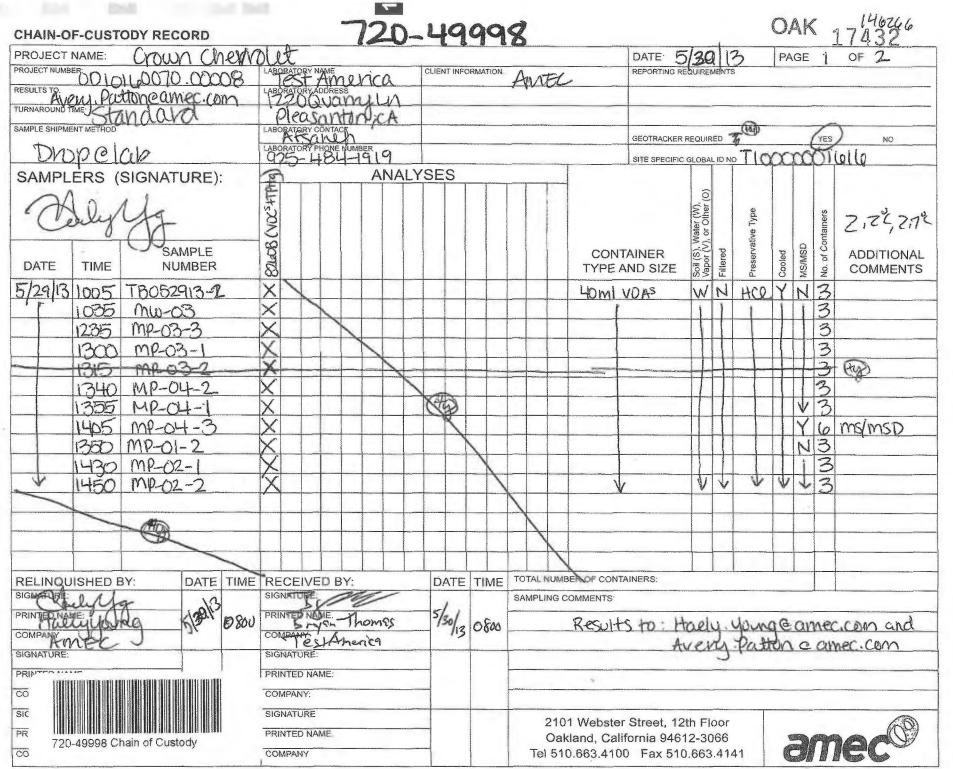
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

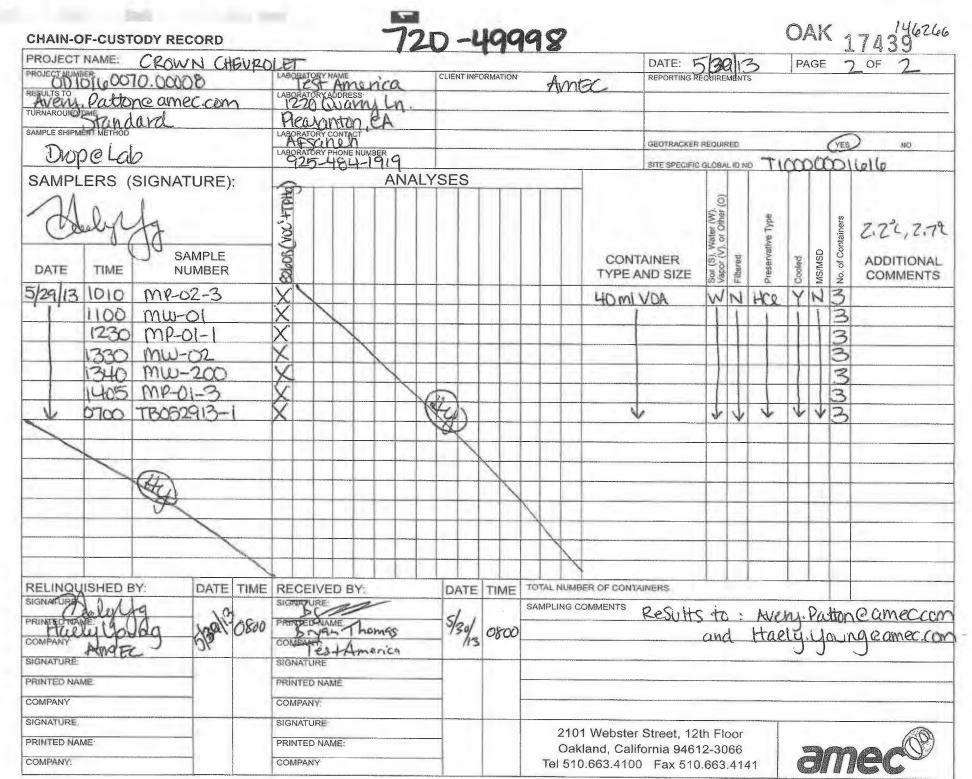
### Client: AMEC Environment & Infrastructure, Inc. Project/Site: Crown Chevrolet

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-49998-1	TB052913-2	Water	05/29/13 10:05	05/30/13 08:00
720-49998-2	MW-03	Water	05/29/13 10:35	05/30/13 08:00
720-49998-3	MP-03-3	Water	05/29/13 12:35	05/30/13 08:00
720-49998-4	MP-03-1	Water	05/29/13 13:00	05/30/13 08:00
720-49998-5	MP-04-2	Water	05/29/13 13:40	05/30/13 08:00
720-49998-6	MP-04-1	Water	05/29/13 13:55	05/30/13 08:00
720-49998-7	MP-04-3	Water	05/29/13 14:05	05/30/13 08:00
720-49998-8	MP-01-2	Water	05/29/13 13:50	05/30/13 08:00
720-49998-9	MP-02-1	Water	05/29/13 14:30	05/30/13 08:00
720-49998-10	MP-02-2	Water	05/29/13 14:50	05/30/13 08:00
720-49998-11	MP-02-3	Water	05/29/13 10:10	05/30/13 08:00
720-49998-12	MW-01	Water	05/29/13 11:00	05/30/13 08:00
720-49998-13	MP-01-1	Water	05/29/13 12:30	05/30/13 08:00
720-49998-14	MW-02	Water	05/29/13 13:30	05/30/13 08:00
720-49998-15	MW-200	Water	05/29/13 13:40	05/30/13 08:00
720-49998-16	MP-01-3	Water	05/29/13 14:05	05/30/13 08:00
720-49998-17	TB052913-1	Water	05/29/13 07:00	05/30/13 08:00



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6/7/2013



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5/7/2013

Client: AMEC Environment & Infrastructure, Inc.

### Login Number: 49998

List Number: 1 Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	74
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 720-49998-1

1

List Source: TestAmerica Pleasanton



APPENDIX C

Data Quality Review



### DATA QUALITY REVIEW Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California Fuel Leak Case No. RO0003014

August 12, 2013 Project OD10160070

This Data Quality Review appendix was prepared by the staff of AMEC under the supervision of the project Data Quality Manager whose signature appears hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.

L.

Hui Li, PE Senior Engineer AMEC Environment & Infrastructure, Inc.



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### TABLE

 Table C-1
 Summary of Precision Data for Analysis of Groundwater Field Duplicate

 Sample



# APPENDIX C DATA QUALITY REVIEW

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

# 1.0 INTRODUCTION

AMEC Environment & Infrastructure, Inc. (AMEC), evaluated the analytical data from AMEC's second quarter 2013 groundwater monitoring sampling event using guidelines set forth in the U.S. Environmental Protection Agency's (EPA's) *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (National Functional Guidelines U.S. EPA, 2008).

The data quality review also included a data completeness check of the data packages, a transcription check of sample results, and a review of all laboratory reporting forms. Qualified data are included in the data summary tables in the main body of this report (with the exception of analytes that have not been detected at the site, which are not tabulated). Data qualifiers for AMEC's Second Quarter 2013 Groundwater Monitoring sampling event are hand-written onto the laboratory analytical reports in Appendix B.

# 2.0 SECOND QUARTER 2013 GROUNDWATER MONITORING

Quality assurance procedures for groundwater samples collected during AMEC's second quarter 2013 groundwater monitoring event included the collection and analysis of one blind field duplicate sample and one matrix spike/matrix spike duplicate (MS/MSD) sample; laboratory analysis of method blank samples, surrogate spikes, and laboratory control spike/laboratory control spike duplicates (LCS/LCSDs); and evaluation of the analytical results.

The blind field duplicate groundwater sample was collected from monitoring well MW-02 and labeled as MW-200. The groundwater MS/MSD sample was collected from monitoring well MP-04-3.

A review of groundwater data quality is provided in the following sections.

# 2.1 DATA ACCURACY

Data accuracy was assessed by the analysis of LCS, LCSD, MS samples, and MSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.



# 2.1.1 Spiked Compounds

No results were qualified due to LCS/LCSD or MS/MSD recoveries.

# 2.1.2 Surrogate Recoveries

No groundwater data were qualified due to surrogate recoveries.

# 2.1.3 Method Blanks

There were no detections in the method blank samples.

# 2.1.4 Trip Blanks

Two trip blanks was submitted for volatile organic compound (VOC) analysis. There were no detections in the trip blank samples.

# 2.1.5 Other Factors

Gasoline range organics were reported at a concentration similar to tetrachloroethene (PCE) in groundwater samples MW-01, MP-01-1, MP-03-1, and MP-04-1 and gasoline range organics were reported at similar a concentration to trichloroethene (TCE) in groundwater sample MP-02-1. The analytical laboratory indicated in the case narratives for these samples that the reported gasoline range organics results were due to presence of discrete peaks (PCE and TCE) and not the presence of gasoline range organics. As a result, AMEC qualified these gasoline range organics results with "R" to indicate that they are rejected.

# 2.2 DATA PRECISION

Data precision is evaluated by comparing analytical results from the duplicate sample pair and evaluating the calculated relative percent difference (RPD) between the data sets. Results for LCS/LCSD, MS/MSD, and the field duplicate sample pair were evaluated to assess the precision of the analytical methods. A summary of sample results from the field duplicate sample pair is shown in Table C-1.

The RPDs for the field duplicate sample pair and the MS/MSD and LCS/LCSD analyses were within acceptance limits.

# 2.3 DATA COMPLETENESS

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

% Complete = <u>(number of valid measurements)</u> × 100 (number of measurements planned)



The percent complete for groundwater sample data collected during the Second Quarter 2013 Groundwater Monitoring sampling event is 100 percent, with the exception of the gasoline range organics results, where the percent complete is 64.3 percent.

# 3.0 SUMMARY OF GROUNDWATER DATA QUALITY REVIEW

Based on an evaluation of data quality for samples collected during the Second Quarter 2013 Groundwater Monitoring event, the majority of analytical results are valid and useable, with the exception of the rejected results. The data are acceptable and can be used for decisionmaking purposes; however, the limitations identified by the applied qualifiers should be considered when using the data.

### 4.0 REFERENCES

U.S. Environmental Protection Agency, 2008, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01, June.



### TABLE C-1

# SUMMARY OF PRECISION DATA FOR ANALYSIS OF GROUNDWATER FIELD DUPLICATE SAMPLES

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

Primary Sample ID	Duplicate Sample ID	Collection Date	Compound ¹	Units	Reporting Limit	Primary Sample Result	Duplicate Sample Result	RPD ²	Absolute Difference Between Sample Results ³
Groundwater									
			cis-1,2-Dichloroethene	µg/L	0.50	2.0	2.0	0%	NA
MW-02	MW-200	5/29/2013	Tetrachloroethene	µg/L	0.50	20	15	29%	NA
			Trichloroethene	µg/L	0.50	26	23	12%	NA

<u>Notes</u>

1. Only compounds detected in at least one of the field primary or field duplicate samples are shown.

2. Relative Percent Difference (RPD) is calculated by:

$$RPD \quad \% = \left| \frac{2(S_1 - S_2)}{S_1 + S_2} \right| \times 100$$

Where  $S_1$ , is the sample concentration and  $S_2$  is the blind duplicate sample concentration.

3. The RPD is not applicable when the sample results are less than two times (organics) or five times (inorganics) the reporting limit. In those cases, duplicate results are acceptable when the absolute difference between the results is less than the reporting limit. When a compound was detected in one duplicate sample, but was not detected at or above the laboratory reporting limit in the other sample, then the results are acceptable when the absolute difference between the detected result and the reporting limit is less than the reporting limit.

Abbreviations

 $\mu$ g/L = micrograms per liter

NA = not applicable