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Environmental Health

ARCADIS U.S., Inc.
100 Montgomery Street, Suite 300
San Francisco, California 94104
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www.arcadis-us.com

Re: Third Quarter 2010 Ground-Water Monitoring Report
Former BP Station #11266
1541 Park Street
Alameda, California
ACEH Case #RO0000318

ENVIRONMENTAL

"I declare that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Date:
10/27/2010

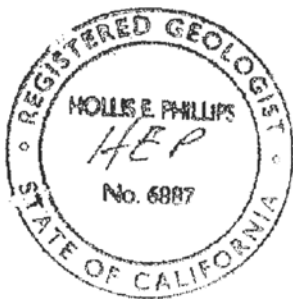
Submitted by:
ARCADIS U.S., Inc.

Contact:
Hollis E. Phillips

Phone:
415.374.2744 ext 13

Hollis E. Phillips, PG
Project Manager

Email:
Hollis.phillips@arcadis-us.com



Our ref:
GP09BPNA.C001

Third Quarter 2010 Ground-Water Monitoring Report

Former BP Service Station #11266
1541 Park Street, Alameda, California
ACEH Case #RO0000318

Prepared for
Ms. Hollis Phillips, PG
Senior Geologist
ARCADIS-US, Inc.
100 Montgomery Street, Ste. 300
San Francisco, California 94104

On behalf of
Atlantic Richfield Company
PO Box 1257
San Ramon, California 94583

Prepared by



1324 Mangrove Avenue, Suite 212
Chico, California 95926
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October 27, 2010

Project No. 09-88-658

October 27, 2010

Project No. 09-88-658

ARCADIS-US, Inc.
100 Montgomery Street, Ste. 300
San Francisco, California 94104

Attn.: Ms. Hollis Phillips, PG

Re: Third Quarter 2010 Ground-Water Monitoring Report, Former BP Station #11266
1541 Park Street, Alameda, California; ACEH Case #RO0000318.

Dear Ms. Phillips:

Provided herein is the *Third Quarter 2010 Ground-Water Monitoring Report* for Former BP Service Station #11266 (herein referred to as Station #11266) located at 1541 Park Street, Alameda, California. This report presents the results of reassessment ground-water monitoring conducted at the Site during the Third Quarter of 2010.

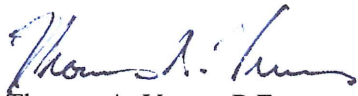
Should you have questions regarding this submission, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.



Jason Duda
Project Scientist



Thomas A. Venus, P.E.
Senior Engineer



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH FTP site)
Mr. Raymond Yeung, 1541 Park Street, Alameda, CA 94501
Electronic copy uploaded to GeoTracker

STATION #11266 GROUND-WATER MONITORING REPORT

Facility: #11266	Address:	1541 Park Street, Alameda, California
ARCADIS Project Manager:		Ms. Hollis Phillips, PG
Consulting Co./Contact Persons:		Broadbent & Associates, Inc.(BAI)/Jason Duda & Tom Venus (530) 566-1400
Consultant Project No.:		09-88-658
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000318

WORK PERFORMED THIS QUARTER (Third Quarter 2010):

1. Conducted ground-water monitoring/sampling for Third Quarter 2010.

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2010):

1. Prepared and submitted this Third Quarter 2010 Ground-Water Monitoring Report (contained herein).
2. No field work is currently anticipated at Station #11266 during the Fourth Quarter of 2010.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Reassessment
Frequency of ground-water sampling:	Semi-Annually (1Q & 3Q): MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and RW-1
Frequency of ground-water monitoring:	Semi-Annually (1Q & 3Q): MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and RW-1
Is free product (FP) present on-site:	No
Current remediation techniques:	NA
Depth to ground water (below TOC):	8.13 ft (MW-5) to 9.60 ft (MW-2)
General ground-water flow direction:	East
Approximate hydraulic gradient:	0.02 ft/ft

DISCUSSION:

Third Quarter 2010 ground-water monitoring and sampling was conducted at the Site on July 12, 2010 by BAI. Water levels were gauged in six of the seven wells (MW-1 through MW-5 and RW-1) associated with the Site. Well MW-6 was not gauged due to the need for traffic control, which will be obtained prior to the next monitoring event. No other difficulties or irregularities were encountered during gauging activities. Measured depths to ground water ranged from 8.13 ft in MW-5 to 9.60 ft in MW-2. Calculated water level elevations ranged from 20.65 ft above datum at MW-4 to 19.16 ft at MW-2. Calculated water level elevations yielded a potentiometric ground-water flow direction and gradient of 0.02 ft/ft to the east. Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. A Site Location Map is presented as Drawing 1. Potentiometric ground-water elevation contours are presented in Drawing 2.

Ground-water samples were collected from wells MW-2 through MW-5 and RW-1 on July 12, 2010. Well MW-1 was not sampled due to an obstruction in the well at approximately eight feet below ground surface. Well MW-6 was not be sampled due to its location within Lincoln Avenue and the need for traffic control. No other irregularities were reported during sampling activities. The samples were

submitted under chain-of-custody protocol to TestAmerica Laboratories, Inc. (Pleasanton, California) for analysis of Gasoline Range Organics (GRO, C6-12), Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX), Methyl Tert-Butyl Ether (MTBE), Ethyl Tert-Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), Tert-Amyl Methyl Ether (TAME), Tert-Butyl Alcohol (TBA), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), and Ethanol by EPA Method 8260B, and Total Lead by EPA Method 200.7. No significant irregularities were reported during analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline Range Organics (GRO) were detected above the laboratory reporting limit in wells RW-1 and MW-3 at concentrations of 900 micrograms per liter ($\mu\text{g/L}$) and 79 $\mu\text{g/L}$, respectively. Benzene, Toluene, Ethylbenzene, and Total Xylenes were detected above laboratory reporting limits in well RW-1 at concentrations of 5.0 $\mu\text{g/L}$, 27 $\mu\text{g/L}$, 48 $\mu\text{g/L}$, and 220 $\mu\text{g/L}$, respectively. MTBE was detected above the laboratory reporting limit in well MW-2 at a concentration of 6.0 $\mu\text{g/L}$. Lead was detected at the laboratory reporting limit in well RW-1 at a concentration of 5.0 $\mu\text{g/L}$. The remaining analytes were not detected above their respective laboratory reporting limits in the five wells sampled this quarter. Laboratory analytical results are summarized in Table 1 and Table 2. Analytical results for GRO, Benzene, and MTBE are reported adjacent to their respective well on Drawing 2. Copies of the GeoTracker Upload Confirmations for the data in this report are provided as Appendix B.

CONCLUSIONS AND RECOMMENDATIONS:

Water level elevations were within historic minimum and maximum ranges for each well. The potentiometric ground-water flow direction and gradient of 0.02 ft/ft to the east is consistent with historical data. Detected concentrations of petroleum hydrocarbons were within the historic minimum and maximum ranges for each well with the exception of historic minimum concentrations of MTBE in well MW-2 and TBA in well MW-5 and a historic maximum concentration of Benzene in well RW-1. No environmental work is currently scheduled to occur at the site during the Fourth Quarter of 2010. The next semi-annual ground-water monitoring and sampling event is scheduled to be conducted during the First Quarter of 2011.

CLOSURE:

The findings presented in this report are based upon: observations of BAI field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Test America (Pleasanton, California). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of ARCADIS-US, Inc. and Atlantic Richfield Company (a BP affiliated company). It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

Drawing 1. Site Location Map, Former BP Service Station #11266, 1541 Park Street, Alameda, California

- Drawing 2. Ground-Water Elevation Contours and Analytical Summary Map, July 12, 2010, Former BP Service Station #11266, 1541 Park Street, Alameda, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11266, 1541 Park Street, Alameda, California
- Table 2. Summary of Fuel Additives Analytical Data, Station #11266, 1541 Park Street, Alameda, California
- Appendix A. BAI Ground-Water Sampling Data (Includes Field Data Sheets, Non-Hazardous Waste Data Form, Laboratory Report, Chain of Custody Documentation, and Field Procedures)
- Appendix B. GeoTracker Upload Confirmations

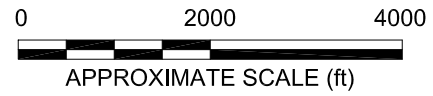
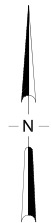
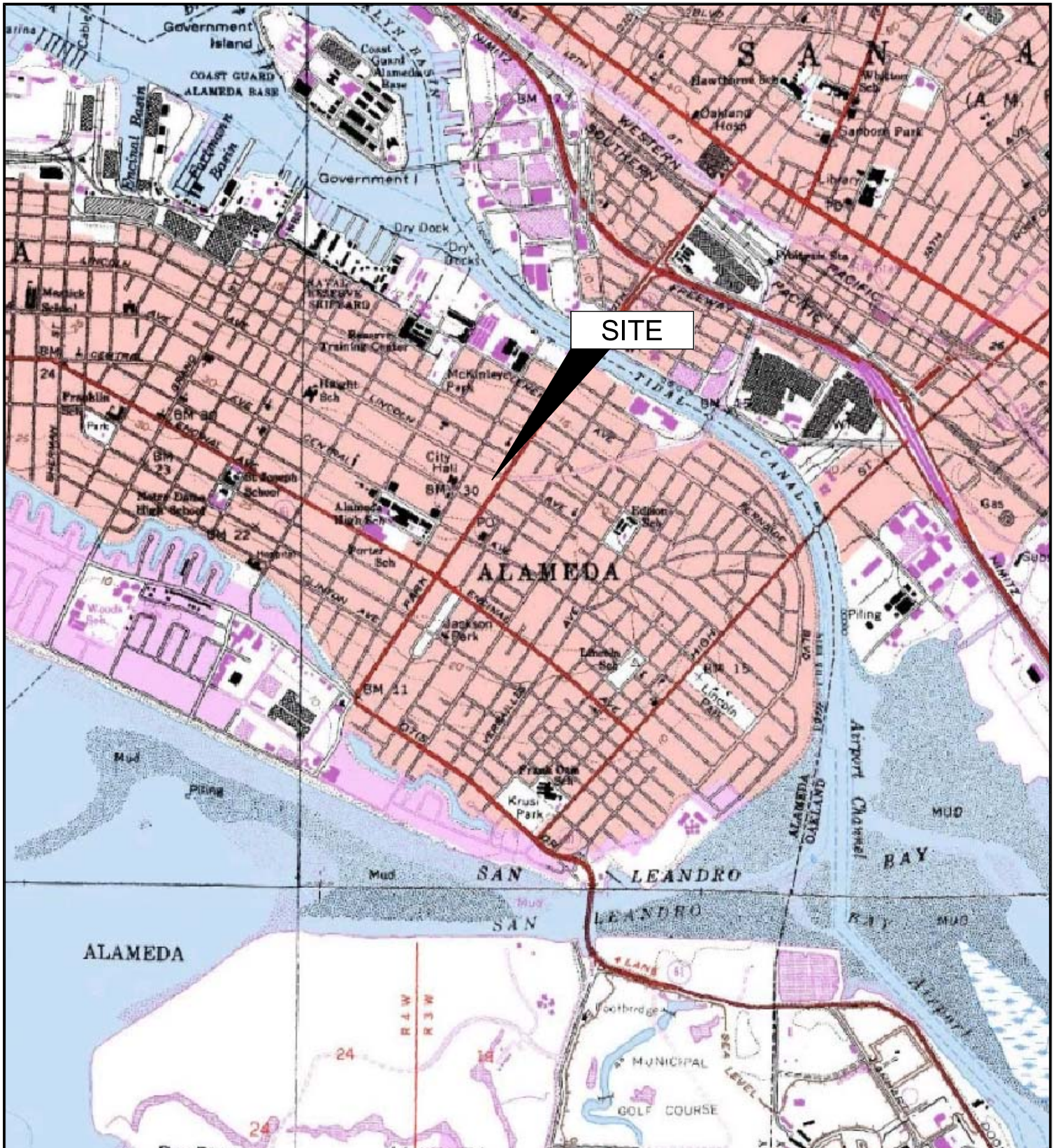


IMAGE SOURCE: USGS

LEGEND

- Monitoring well
- Recovery well
- Soil Boring

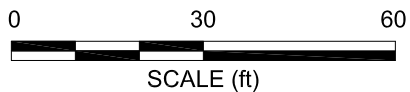
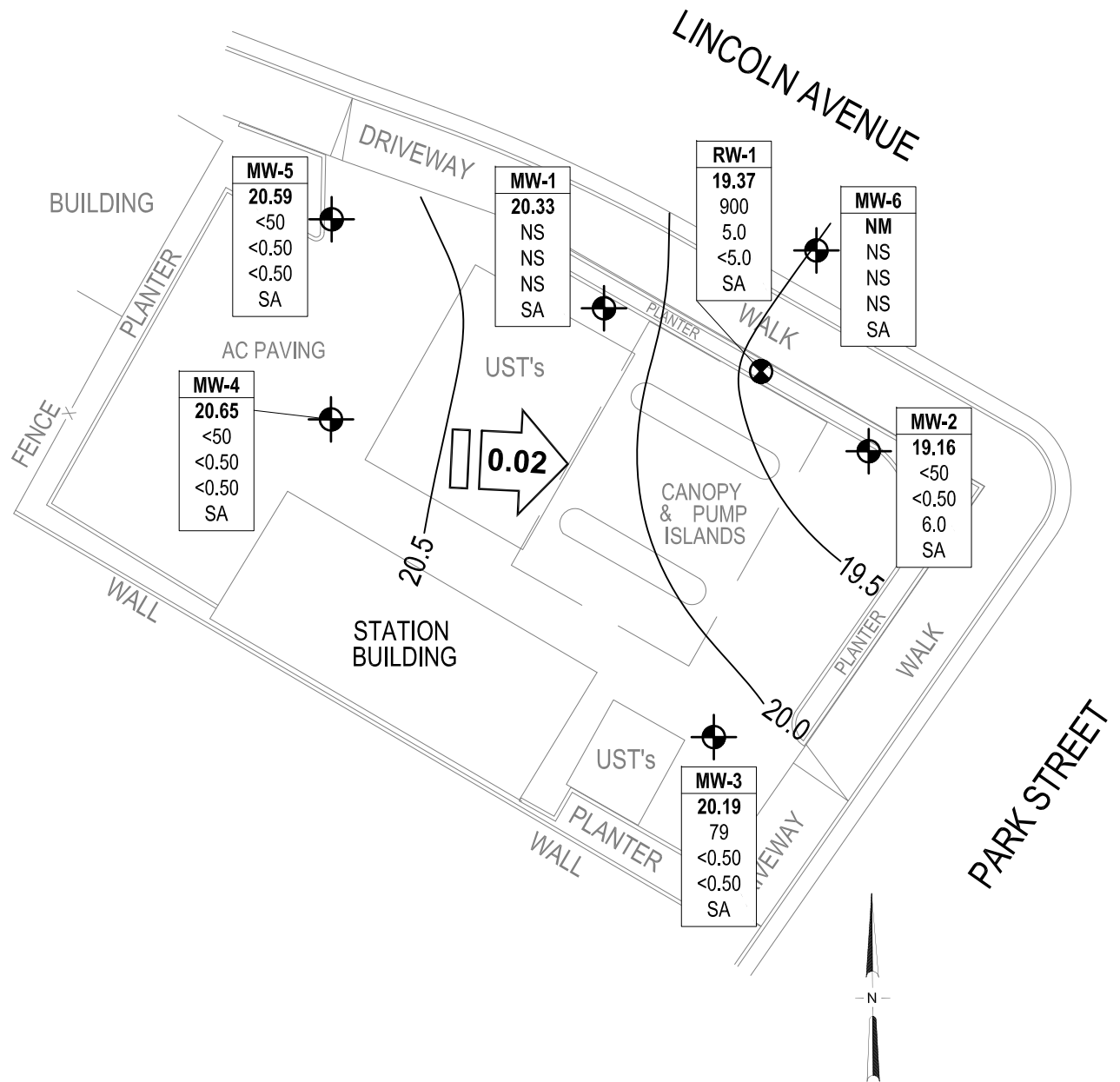
Well	Well designation
ELEV	Ground-water elevation (ft above NAVD88)
GRO	Concentration of GRO, Benzene and MTBE in ground water (µg/L)
Benzene	
MTBE	
Q	Sampling frequency

- SA Semi-Annual (1Q & 3Q)
- NS Not sampled
- NM Not measured
- < Not detected at or above laboratory reporting limits

— 20.5 Ground-water elevation contour (ft/NAVD88)

0.02 Approximate ground-water flow direction and gradient (ft/ft)

* Not used in contouring



**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11266, 1541 Park Street, Alameda, CA**

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)								DO (mg/L)	Comments
					GRO/TPHg	DRO/TPHd	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Lead		
MW-1														
8/24/2006	P	19.19	7.75	11.44	1,900	1,000	6.4	1.9	48	41	1.2	<100	--	
6/30/2009	P	28.62	8.85	19.77	11,000	--	5.1	29	310	1,200	<0.50	54.2	2.98	b, c
3/18/2010	P	28.62	7.37	21.25	2,100	--	<5.0	5.6	24	170	<5.0	25	0.82	c
7/12/2010	--	28.62	8.29	20.33	--	--	--	--	--	--	--	--	--	e
MW-2														
8/24/2006	P	19.32	8.25	11.07	55	<47	0.57	<0.50	<0.50	1.0	47	<100	--	
6/30/2009	P	28.76	9.85	18.91	<50	--	<0.50	<0.50	<0.50	<0.50	17	7.44	3.13	b
3/18/2010	P	28.76	8.27	20.49	<50	--	<0.50	<0.50	<0.50	<1.0	6.3	<5.0	0.93	
7/12/2010	P	28.76	9.60	19.16	<50	--	<0.50	<0.50	<0.50	<1.0	6.0	<5.0	1.31	
MW-3														
8/24/2006	P	19.99	9.61	10.38	96	130	<0.50	0.52	<0.50	<0.50	1.2	<100	--	
6/30/2009	P	29.43	10.03	19.40	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.40	b
3/18/2010	P	29.43	8.82	20.61	100	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	0.78	
7/12/2010	P	29.43	9.24	20.19	79	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	--	
MW-4														
8/24/2006	P	20.17	8.98	11.19	<50	<47	<0.50	<0.50	<0.50	<0.50	<0.50	<100	--	
6/30/2009	P	29.61	9.47	20.14	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	35.7	3.53	b
3/18/2010	P	29.61	7.85	21.76	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	1.30	
7/12/2010	P	29.61	8.96	20.65	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	--	
MW-5														
8/24/2006	P	19.41	8.12	11.29	<50	<47	<0.50	<0.50	<0.50	<0.50	<0.50	<100	--	
6/30/2009	--	28.72	8.61	20.11	--	--	--	--	--	--	--	--	--	b, d
3/18/2010	P	28.72	6.84	21.88	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	1.30	
7/12/2010	P	28.72	8.13	20.59	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	1.77	
MW-6														
8/24/2006	P	19.40	8.26	11.14	<50	<47	<0.50	<0.50	<0.50	<0.50	<0.50	<100	--	
6/30/2009	P	28.82	9.83	18.99	<50	--	<10	<10	<10	<10	<10	9.95	2.56	a, b
3/18/2010	P	28.82	8.04	20.78	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	0.94	

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11266, 1541 Park Street, Alameda, CA**

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)								DO (mg/L)	Comments
					GRO/TPHg	DRO/TPHd	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE	Lead		
MW-6 Cont.														
7/12/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	f
RW-1														
6/30/2009	P	28.63	10.16	18.47	290	--	<0.50	15	9.6	51	<0.50	5.47	3.34	b
3/18/2010	P	28.63	7.64	20.99	1,000	--	3.9	82	59	280	<2.5	14	1.17	
7/12/2010	P	28.63	9.26	19.37	900	--	5.0	27	48	220	<5.0	5.0	1.05	

NOTES:

a = Reporting limits raised due to high levels of non-target analytes.

b = Well surveyed 6/22/2009.

c = Sheen in well.

d = Insufficient water to sample.

e = Well obstructed.

f = Not sampled, traffic control needed.

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11266, 1541 Park Street, Alameda, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
8/24/2006	<600	<40	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	
6/30/2009	<50	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/18/2010	<1,000	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
MW-2									
8/24/2006	<300	<20	47	<0.50	<0.50	2.2	<0.50	<0.50	
6/30/2009	<50	<10	17	<0.50	<0.50	1.0	<0.50	<0.50	
3/18/2010	<100	<4.0	6.3	<0.50	<0.50	<0.50	<0.50	<0.50	
7/12/2010	<100	<4.0	6.0	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-3									
8/24/2006	<300	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
6/30/2009	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/18/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/12/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4									
8/24/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
6/30/2009	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/18/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/12/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5									
8/24/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/18/2010	<100	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
7/12/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-6									
8/24/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
6/30/2009	<1,000	<200	<10	<10	<10	<10	<10	<10	
3/18/2010	<100	<4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
RW-1									
6/30/2009	<50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11266, 1541 Park Street, Alameda, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
RW-1 Cont.									
3/18/2010	<500	<20	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
7/12/2010	<1,000	<40	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

APPENDIX A

**BAI GROUND-WATER SAMPLING DATA (INCLUDES FIELD DATA SHEETS, NON-
HAZARDOUS WASTE DATA FORM, LABORATORY REPORT, CHAIN OF CUSTODY
DOCUMENTATION, AND FIELD PROCEDURES)**

Groundwater Sampling Data Sheet

Well I.D.: Mw-1
 Project Name/Location: SP 112.65 Project #: 7/12/10
 Sampler's Name: E. Furr Date: 09 08 09
 Purging Equipment: Bulter
 Sampling Equipment: Bulter

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 25.00 feet
 Depth to Water: 8.21 feet
 Water Column Thickness: 16.79 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 2.68 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 8.05 gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: _____ gallons
 Depth to Water at Sample Collection: _____ feet
 Sample Collection Time: _____ Purged Dry? (Y/N)

Comments: Well obstructed @ 8' - unable to retrieve sample.

Groundwater Sampling Data Sheet

Well I.D.: MW 2
 Project Name/Location: BP 1126C Project #: 09-88-65J
 Sampler's Name: E. Ferrer Date: 7/12/10
 Purging Equipment: Ba. L
 Sampling Equipment: Ba. L

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 25.00 feet
 Depth to Water: - 9.60 feet
 Water Column Thickness: = 15.4 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 2.46 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 7.38 gallons

***UNIT CASING VOLUMES**
 2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1058	1.31	69		582.4	73.4	6.98	
1.5	1101	X	X	X	575.4	71.8	6.81	
3	1103	X	X	X	575.8	70.3	6.76	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 7.38 gallons
 Depth to Water at Sample Collection: _____ feet
 Sample Collection Time: 1107
 Purged Dry? (Y/N) (Y/N)

Comments:

Groundwater Sampling Data Sheet

Well I.D.: MW-3
 Project Name/Location: BP 11266 Project #: 09-88-658
 Sampler's Name: _____ Date: 7/12/00
 Purging Equipment: Boiler
 Sampling Equipment: Boiler

Casing Type: PVC

Casing Diameter: 2 inch
 Total Well Depth: 25.00 feet
 Depth to Water: - 9.24 feet
 Water Column Thickness: = 15.76 feet
 Unit Casing Volume*: x .16 gallon / foot
 Casing Water Volume: = 2.52 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 7.56 gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1026		-1		577.9	70.4	6.63	
1.5	1029	X	X	X	409.0	71.2	6.56	
3	1031	X	X	X	422.7	71.5	6.59	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 3 gallons

Depth to Water at Sample Collection: 9.36 feet

Sample Collection Time: 0935 - 1035

Purged Dry? (Y/N) (N)

Comments: _____

Groundwater Sampling Data Sheet

Well I.D.: MW-01
 Project Name/Location: BP 11266 Project #: 09-98-658
 Sampler's Name: E. Form Date: 7/18/10
 Purging Equipment: Bailer
 Sampling Equipment: Bailer

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 25 feet
 Depth to Water: - 8.96 feet
 Water Column Thickness: = 16.04 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 2.56 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 1168 gallons

***UNIT CASING VOLUMES**
 2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1304		38		100.1	73.0	6.90	
1.5	1306	X	X	X	733.0	70.9	6.63	
3	1308	X	X	X	732.6	70.2	6.5	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 3 gallons
 Depth to Water at Sample Collection: 9.09 feet
 Sample Collection Time: 1313

Purged Dry? (Y/N) (N)

Comments:

Groundwater Sampling Data Sheet

Well I.D.: MW-5
 Project Name/Location: BP11265 Project #: 09-88-658
 Sampler's Name: E. Farn Date: 7/12/10
 Purging Equipment: BWL
 Sampling Equipment: BWL

Casing Type: PVC
 Casing Diameter: 2 inch
 Total Well Depth: 25 feet
 Depth to Water: 8.13 feet
 Water Column Thickness: = 16.87 feet
 Unit Casing Volume*: x 0.16 gallon / foot
 Casing Water Volume: = 2.69 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 8.07 gallons

***UNIT CASING VOLUMES**
 2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1230	1.77	-11		801.3	75.8	6.98	
1.5	1242	X	X	X	887.9	72.0	6.75	
3	1244	X	X	X	869.5	71.5	6.71	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 3 gallons
 Depth to Water at Sample Collection: 8.23 feet
 Sample Collection Time: 1250

Purged Dry? (Y/N) N

Comments: well partially obstructed w/ tree roots

Groundwater Sampling Data Sheet

Well I.D.: AW-1
 Project Name/Location: BP 11268 Project #: 09-88654
 Sampler's Name: EF Date: 7/12/10
 Purging Equipment: Bailer -3
 Sampling Equipment: Bailer -3

Casing Type: PVC
 Casing Diameter: 6 inch
 Total Well Depth: 30 feet
 Depth to Water: -9.26 feet
 Water Column Thickness: = 1.472074 feet
 Unit Casing Volume*: x 1.47 gallon / foot
 Casing Water Volume: = 30.18 gallons
 Casing Volume: x 3 each
 Estimated Purge Volume: = 41.96 gallons

***UNIT CASING VOLUMES**
 2" = 0.16 gal/lin ft.
 3" = 0.37 gal/lin ft.
 4" = 0.65 gal/lin ft.
 6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1133	1.05	-31		609.8	70.2	6.98	
10	1149	X	X	X	605.4	67.4	6.95	
20	1152	X	X	X	607.0	66.8	6.87	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 20 gallons
 Depth to Water at Sample Collection: _____ feet
 Sample Collection Time: 1:52

Purged Dry? (Y/N)

Comments:

NON-HAZARDOUS WASTE DATA FORM

GESI #

Generator's Name and Mailing Address: BP WEST COAST PRODUCTS, LLC, P.O. BOX 80249, RANCHO SANTA MARGARITA, CA 92688. Generator's Site Address (if different than mailing address): 11266, 1541 PARK ST, ALAMEDA, CA.

Generator's Phone: 949-460-5200

Container type removed from site: [X] Vacuum Truck, [] Drums, [] Roll-off Truck, [] Dump Truck. Container type transported to receiving facility: [] Drums, [] Vacuum Truck, [] Roll-off Truck, [] Dump Truck.

Quantity: 33 gallons. Other: _____

WASTE DESCRIPTION: NON-HAZARDOUS WATER. GENERATING PROCESS: WELL PURGING / DECON WATER.

Table with 2 columns: COMPONENTS OF WASTE (WATER, TPH) and their concentrations (99-100%, <1%).

Waste Profile: _____ PROPERTIES: pH 7-10, [] SOLID, [X] LIQUID, [] SLUDGE, [] SLURRY, [] OTHER.

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

Generator Printed/Typed Name: Emily Leamer. Signature: [Signature]. Month Day Year: [] [] []

The Generator certifies that the waste as described is 100% non-hazardous

Transporter Company Name: BAI. Phone#: 707-455-7290

Transporter 1 Printed/Typed Name: Eric Ferrer. Signature: [Signature]. Month Day Year: 7/13/06

Transporter Acknowledgment of Receipt of Materials. Transporter 2 Company Name: _____ Phone#: _____

Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: [] [] []

Transporter Acknowledgment of Receipt of Materials

Designated Facility Name and Site Address: INSTRAT, INC., 1105 AIRPORT RD., RIO VISTA, CA 94571. Phone#: 530-753-1829

Printed/Typed Name: _____ Signature: _____ Month Day Year: [] [] []

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

GENERATOR

TRANSPORTER

RECEIVING FACILITY

ANALYTICAL REPORT

Job Number: 720-29238-1

Job Description: BP #11266, Alameda

For:

ARCADIS U.S., Inc.
155 Montgomery Street
Suite 1500
San Francisco, CA 94104
Attention: Hollis Phillips

Surinder Sidhu

Approved for release.
Surinder Sidhu
Customer Service Manager
7/26/2010 5:34 PM

Designee for
Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com
07/26/2010

cc: Mr. Jason Duda
Mr. Ben McKenna

CA ELAP Certification # 2496

The Chain(s) of Custody are included and are an integral part of this report.

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A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.

TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566

Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-29238-1	MW-2 (7/12/10)				
MTBE		6.0	0.50	ug/L	8260B/CA_LUFTMS
720-29238-2	MW-3 (7/12/10)				
Gasoline Range Organics (GRO)-C6-C12		79	50	ug/L	8260B/CA_LUFTMS
720-29238-5	RW-1 (7/12/10)				
Benzene		5.0	5.0	ug/L	8260B/CA_LUFTMS
Ethylbenzene		48	5.0	ug/L	8260B/CA_LUFTMS
Toluene		27	5.0	ug/L	8260B/CA_LUFTMS
Xylenes, Total		220	10	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C6-C12		900	500	ug/L	8260B/CA_LUFTMS
Lead		0.0050	0.0050	mg/L	200.7 Rev 4.4

METHOD SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Metals (ICP)	TAL SF	EPA 200.7 Rev 4.4	
Preparation, Total Metals	TAL SF		EPA 200.7

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

EPA = US Environmental Protection Agency

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

SAMPLE SUMMARY

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-29238-1	MW-2 (7/12/10)	Water	07/12/2010 1107	07/12/2010 1413
720-29238-2	MW-3 (7/12/10)	Water	07/12/2010 0935	07/12/2010 1413
720-29238-3	MW-4 (7/12/10)	Water	07/12/2010 1313	07/12/2010 1413
720-29238-4	MW-5 (7/12/10)	Water	07/12/2010 1250	07/12/2010 1413
720-29238-5	RW-1 (7/12/10)	Water	07/12/2010 1200	07/12/2010 1413

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-2 (7/12/10)

Lab Sample ID: 720-29238-1

Date Sampled: 07/12/2010 1107

Client Matrix: Water

Date Received: 07/12/2010 1413

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-74518	Instrument ID:	CHMSV2
Preparation:	5030B		Lab File ID:	07141013.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	07/14/2010 1549		Final Weight/Volume:	10 mL
Date Prepared:	07/14/2010 1549			

Analyte	Result (ug/L)	Qualifier	RL
MTBE	6.0		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		67 - 130
1,2-Dichloroethane-d4 (Surr)	82		67 - 130
Toluene-d8 (Surr)	93		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-3 (7/12/10)

Lab Sample ID: 720-29238-2

Date Sampled: 07/12/2010 0935

Client Matrix: Water

Date Received: 07/12/2010 1413

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74584 Instrument ID: CHMSV2
Preparation: 5030B Lab File ID: 07151013.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/15/2010 1614 Final Weight/Volume: 10 mL
Date Prepared: 07/15/2010 1614

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	79		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		67 - 130
Toluene-d8 (Surr)	99		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-4 (7/12/10)

Lab Sample ID: 720-29238-3

Date Sampled: 07/12/2010 1313

Client Matrix: Water

Date Received: 07/12/2010 1413

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74518 Instrument ID: CHMSV2
Preparation: 5030B Lab File ID: 07141015.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 07/14/2010 1654 Final Weight/Volume: 10 mL
Date Prepared: 07/14/2010 1654

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	86		67 - 130
1,2-Dichloroethane-d4 (Surr)	85		67 - 130
Toluene-d8 (Surr)	93		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-5 (7/12/10)

Lab Sample ID: 720-29238-4

Date Sampled: 07/12/2010 1250

Client Matrix: Water

Date Received: 07/12/2010 1413

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-74518	Instrument ID:	CHMSV2
Preparation:	5030B		Lab File ID:	07141016.D
Dilution:	1.0		Initial Weight/Volume:	10 mL
Date Analyzed:	07/14/2010 1726		Final Weight/Volume:	10 mL
Date Prepared:	07/14/2010 1726			

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	84		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		67 - 130
Toluene-d8 (Surr)	91		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: RW-1 (7/12/10)

Lab Sample ID: 720-29238-5

Date Sampled: 07/12/2010 1200

Client Matrix: Water

Date Received: 07/12/2010 1413

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-74584 Instrument ID: CHMSV2
Preparation: 5030B Lab File ID: 07151018.D
Dilution: 10 Initial Weight/Volume: 10 mL
Date Analyzed: 07/15/2010 1856 Final Weight/Volume: 10 mL
Date Prepared: 07/15/2010 1856

Analyte	Result (ug/L)	Qualifier	RL
MTBE	ND		5.0
Benzene	5.0		5.0
EDB	ND		5.0
1,2-DCA	ND		5.0
Ethylbenzene	48		5.0
Toluene	27		5.0
Xylenes, Total	220		10
Gasoline Range Organics (GRO)-C6-C12	900		500
TBA	ND		40
Ethanol	ND		1000
DIPE	ND		5.0
TAME	ND		5.0
Ethyl t-butyl ether	ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	96		70 - 130

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-2 (7/12/10)

Lab Sample ID: 720-29238-1

Date Sampled: 07/12/2010 1107

Client Matrix: Water

Date Received: 07/12/2010 1413

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4

Analysis Batch: 720-74517

Instrument ID:

Thermo ICP

Preparation: 200.7

Prep Batch: 720-74470

Lab File ID:

07131006.txt

Dilution: 1.0

Initial Weight/Volume:

40 mL

Date Analyzed: 07/13/2010 1857

Final Weight/Volume:

40 mL

Date Prepared: 07/13/2010 0955

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-3 (7/12/10)

Lab Sample ID: 720-29238-2

Date Sampled: 07/12/2010 0935

Client Matrix: Water

Date Received: 07/12/2010 1413

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4

Analysis Batch: 720-74517

Instrument ID: Thermo ICP

Preparation: 200.7

Prep Batch: 720-74470

Lab File ID: 07131006.txt

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 07/13/2010 1901

Final Weight/Volume: 40 mL

Date Prepared: 07/13/2010 0955

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-4 (7/12/10)

Lab Sample ID: 720-29238-3

Date Sampled: 07/12/2010 1313

Client Matrix: Water

Date Received: 07/12/2010 1413

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4

Analysis Batch: 720-74517

Instrument ID:

Thermo ICP

Preparation: 200.7

Prep Batch: 720-74470

Lab File ID:

07131006.txt

Dilution: 1.0

Initial Weight/Volume:

40 mL

Date Analyzed: 07/13/2010 1906

Final Weight/Volume:

40 mL

Date Prepared: 07/13/2010 0955

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: MW-5 (7/12/10)

Lab Sample ID: 720-29238-4

Date Sampled: 07/12/2010 1250

Client Matrix: Water

Date Received: 07/12/2010 1413

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4

Analysis Batch: 720-74517

Instrument ID:

Thermo ICP

Preparation: 200.7

Prep Batch: 720-74470

Lab File ID:

07131006.txt

Dilution: 1.0

Initial Weight/Volume:

40 mL

Date Analyzed: 07/13/2010 1910

Final Weight/Volume:

40 mL

Date Prepared: 07/13/2010 0955

Analyte	Result (mg/L)	Qualifier	RL
Lead	ND		0.0050

Analytical Data

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Client Sample ID: RW-1 (7/12/10)

Lab Sample ID: 720-29238-5

Date Sampled: 07/12/2010 1200

Client Matrix: Water

Date Received: 07/12/2010 1413

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4

Analysis Batch: 720-74517

Instrument ID: Thermo ICP

Preparation: 200.7

Prep Batch: 720-74470

Lab File ID: 07131006.txt

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 07/13/2010 1914

Final Weight/Volume: 40 mL

Date Prepared: 07/13/2010 1026

Analyte	Result (mg/L)	Qualifier	RL
Lead	0.0050		0.0050

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
-------------	-----------	-------------

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-74518					
LCS 720-74518/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-74518/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-74518/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-74518/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-74518/4	Method Blank	T	Water	8260B/CA_LUFT	
720-29236-A-2 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-29236-A-2 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-29238-1	MW-2 (7/12/10)	T	Water	8260B/CA_LUFT	
720-29238-3	MW-4 (7/12/10)	T	Water	8260B/CA_LUFT	
720-29238-4	MW-5 (7/12/10)	T	Water	8260B/CA_LUFT	
Analysis Batch:720-74584					
LCS 720-74584/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-74584/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-74584/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-74584/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-74584/4	Method Blank	T	Water	8260B/CA_LUFT	
720-29238-2	MW-3 (7/12/10)	T	Water	8260B/CA_LUFT	
720-29238-5	RW-1 (7/12/10)	T	Water	8260B/CA_LUFT	
720-29269-B-3 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-29269-B-3 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 720-74470					
LCS 720-74470/2-A	Lab Control Sample	T	Water	200.7	
LCSD 720-74470/3-A	Lab Control Sample Duplicate	T	Water	200.7	
MB 720-74470/1-A	Method Blank	T	Water	200.7	
720-29238-1	MW-2 (7/12/10)	T	Water	200.7	
720-29238-2	MW-3 (7/12/10)	T	Water	200.7	
720-29238-3	MW-4 (7/12/10)	T	Water	200.7	
720-29238-4	MW-5 (7/12/10)	T	Water	200.7	
720-29238-5	RW-1 (7/12/10)	T	Water	200.7	
720-29249-A-1-E MS	Matrix Spike	T	Water	200.7	
720-29249-A-1-F MSD	Matrix Spike Duplicate	T	Water	200.7	
Analysis Batch:720-74493					
LCS 720-74470/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	720-74470
LCSD 720-74470/3-A	Lab Control Sample Duplicate	T	Water	200.7 Rev 4.4	720-74470
MB 720-74470/1-A	Method Blank	T	Water	200.7 Rev 4.4	720-74470
720-29249-A-1-E MS	Matrix Spike	T	Water	200.7 Rev 4.4	720-74470
720-29249-A-1-F MSD	Matrix Spike Duplicate	T	Water	200.7 Rev 4.4	720-74470
Analysis Batch:720-74517					
720-29238-1	MW-2 (7/12/10)	T	Water	200.7 Rev 4.4	720-74470
720-29238-2	MW-3 (7/12/10)	T	Water	200.7 Rev 4.4	720-74470
720-29238-3	MW-4 (7/12/10)	T	Water	200.7 Rev 4.4	720-74470
720-29238-4	MW-5 (7/12/10)	T	Water	200.7 Rev 4.4	720-74470
720-29238-5	RW-1 (7/12/10)	T	Water	200.7 Rev 4.4	720-74470

Report Basis

T = Total

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Method Blank - Batch: 720-74518

Lab Sample ID: MB 720-74518/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/14/2010 1047
 Date Prepared: 07/14/2010 1047

Analysis Batch: 720-74518
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: CHMSV2
 Lab File ID: 07141004.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	89	67 - 130
1,2-Dichloroethane-d4 (Surr)	86	67 - 130
Toluene-d8 (Surr)	95	70 - 130

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74518**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-74518/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1120
Date Prepared: 07/14/2010 1120

Analysis Batch: 720-74518
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07141005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-74518/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1152
Date Prepared: 07/14/2010 1152

Analysis Batch: 720-74518
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07141006.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
MTBE	96	98	62 - 130	1	20		
Benzene	95	95	82 - 127	0	20		
EDB	97	98	70 - 130	0	20		
1,2-DCA	88	88	70 - 126	0	20		
Ethylbenzene	108	107	86 - 135	1	20		
Toluene	94	94	83 - 129	0	20		
TBA	97	96	82 - 116	0	20		
Ethanol	104	108	31 - 216	4	20		
DIPE	95	96	74 - 155	1	20		
TAME	98	100	79 - 129	2	20		
Ethyl t-butyl ether	94	96	70 - 130	1	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	97		97		67 - 130		
1,2-Dichloroethane-d4 (Surr)	83		84		67 - 130		
Toluene-d8 (Surr)	98		99		70 - 130		

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74518**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-74518/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1224
Date Prepared: 07/14/2010 1224

Analysis Batch: 720-74518
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07141007.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-74518/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1257
Date Prepared: 07/14/2010 1257

Analysis Batch: 720-74518
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07141008.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C6-C12	87	87	58 - 106	1	20		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	95		96			67 - 130	
1,2-Dichloroethane-d4 (Surr)	83		85			67 - 130	
Toluene-d8 (Surr)	98		99			70 - 130	

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-74518**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-29236-A-2 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1411
Date Prepared: 07/14/2010 1411

Analysis Batch: 720-74518
Prep Batch: N/A

Instrument ID: CHMSV2
Lab File ID: 07141010.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-29236-A-2 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1444
Date Prepared: 07/14/2010 1444

Analysis Batch: 720-74518
Prep Batch: N/A

Instrument ID: CHMSV2
Lab File ID: 07141011.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
MTBE	88	95	60 - 138	7	20		
Benzene	92	96	60 - 140	4	20		
EDB	90	97	60 - 140	7	20		
1,2-DCA	81	85	60 - 140	5	20		
Ethylbenzene	105	110	60 - 140	5	20		
Toluene	93	97	60 - 140	5	20		
TBA	93	96	60 - 140	4	20		
Ethanol	105	112	60 - 140	6	20		
DIPE	89	94	60 - 140	5	20		
TAME	90	95	60 - 140	6	20		
Ethyl t-butyl ether	87	92	60 - 140	5	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	95		94	67 - 130			
1,2-Dichloroethane-d4 (Surr)	80		80	67 - 130			
Toluene-d8 (Surr)	97		98	70 - 130			

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Method Blank - Batch: 720-74584

Lab Sample ID: MB 720-74584/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1045
Date Prepared: 07/15/2010 1045

Analysis Batch: 720-74584
Prep Batch: N/A
Units: ug/L

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: CHMSV2
Lab File ID: 07151004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
MTBE	ND		0.50
Benzene	ND		0.50
EDB	ND		0.50
1,2-DCA	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
TBA	ND		4.0
Ethanol	ND		100
DIPE	ND		0.50
TAME	ND		0.50
Ethyl t-butyl ether	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	92	67 - 130
1,2-Dichloroethane-d4 (Surr)	87	67 - 130
Toluene-d8 (Surr)	98	70 - 130

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74584**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-74584/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1132
Date Prepared: 07/15/2010 1132

Analysis Batch: 720-74584
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07151005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-74584/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1205
Date Prepared: 07/15/2010 1205

Analysis Batch: 720-74584
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07151006.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
MTBE	103	100	62 - 130	3	20		
Benzene	101	101	82 - 127	1	20		
EDB	104	101	70 - 130	2	20		
1,2-DCA	94	92	70 - 126	2	20		
Ethylbenzene	104	105	86 - 135	1	20		
Toluene	91	92	83 - 129	2	20		
TBA	87	88	82 - 116	1	20		
Ethanol	95	103	31 - 216	8	20		
DIPE	101	99	74 - 155	1	20		
TAME	106	104	79 - 129	2	20		
Ethyl t-butyl ether	101	99	70 - 130	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		99		67 - 130		
1,2-Dichloroethane-d4 (Surr)	85		83		67 - 130		
Toluene-d8 (Surr)	102		102		70 - 130		

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-74584**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-74584/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1300
Date Prepared: 07/15/2010 1300

Analysis Batch: 720-74584
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07151007.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-74584/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1332
Date Prepared: 07/15/2010 1332

Analysis Batch: 720-74584
Prep Batch: N/A
Units: ug/L

Instrument ID: CHMSV2
Lab File ID: 07151008.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C6-C12	91	87	58 - 106	4	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	99		100			67 - 130	
1,2-Dichloroethane-d4 (Surr)	89		88			67 - 130	
Toluene-d8 (Surr)	102		102			70 - 130	

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-74584**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-29269-B-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1719
Date Prepared: 07/15/2010 1719

Analysis Batch: 720-74584
Prep Batch: N/A

Instrument ID: CHMSV2
Lab File ID: 07151015.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-29269-B-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1751
Date Prepared: 07/15/2010 1751

Analysis Batch: 720-74584
Prep Batch: N/A

Instrument ID: CHMSV2
Lab File ID: 07151016.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
MTBE	89	89	60 - 138	0	20		
Benzene	94	93	60 - 140	1	20		
EDB	92	92	60 - 140	0	20		
1,2-DCA	84	84	60 - 140	0	20		
Ethylbenzene	109	108	60 - 140	1	20		
Toluene	95	95	60 - 140	0	20		
TBA	96	95	60 - 140	1	20		
Ethanol	109	104	60 - 140	5	20		
DIPE	92	91	60 - 140	1	20		
TAME	93	93	60 - 140	0	20		
Ethyl t-butyl ether	91	91	60 - 140	1	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	98		97	67 - 130			
1,2-Dichloroethane-d4 (Surr)	82		82	67 - 130			
Toluene-d8 (Surr)	99		98	70 - 130			

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Method Blank - Batch: 720-74470

Lab Sample ID: MB 720-74470/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1340
 Date Prepared: 07/13/2010 0955

Analysis Batch: 720-74493
 Prep Batch: 720-74470
 Units: mg/L

**Method: 200.7 Rev 4.4
 Preparation: 200.7**

Instrument ID: Thermo ICP
 Lab File ID: 07131002.txt
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Lead	ND		0.010

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-74470**

**Method: 200.7 Rev 4.4
 Preparation: 200.7**

LCS Lab Sample ID: LCS 720-74470/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1344
 Date Prepared: 07/13/2010 0955

Analysis Batch: 720-74493
 Prep Batch: 720-74470
 Units: mg/L

Instrument ID: Thermo ICP
 Lab File ID: 07131002.txt
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-74470/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1348
 Date Prepared: 07/13/2010 0955

Analysis Batch: 720-74493
 Prep Batch: 720-74470
 Units: mg/L

Instrument ID: Thermo ICP
 Lab File ID: 07131002.txt
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Lead	104	103	85 - 115	1	20		

Quality Control Results

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-74470**

**Method: 200.7 Rev 4.4
Preparation: 200.7**

MS Lab Sample ID: 720-29249-A-1-E MS Analysis Batch: 720-74493
 Client Matrix: Water Prep Batch: 720-74470
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1352
 Date Prepared: 07/13/2010 0955

Instrument ID: Thermo ICP
 Lab File ID: 07131002.txt
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-29249-A-1-F MSD Analysis Batch: 720-74493
 Client Matrix: Water Prep Batch: 720-74470
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1356
 Date Prepared: 07/13/2010 0955

Instrument ID: Thermo ICP
 Lab File ID: 07131002.txt
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 40 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Lead	100	100	85 - 115	1	20		

San Francisco
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

720-29238

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
125562
TestAmerica Laboratories, Inc.

Client Contact Broadbent and Associates, Inc. Address: 1324 Mangrove Ave. Suite 212 City/State/Zip: Chico, CA 95926 (530) 566-1400 Phone (530) 566-1401 FAX Project Name: BP 11266 Site: 1541 Park Street, Alameda, CA P O # GP09BPNA.C001		Project Manager: Jason Duda Tel/Fax: 530-566-1400/530-566-1401		Site Contact: Lab Contact: Dimple Sharma		Date: Carrier:		COC No.: of COCs						
Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								Job No. SDG No.						
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	GRO by 8260B	BTEX and 5 Oxy's by 8260B	EDB, 1,2-DCA, and Ethanol by 8260B	TVOCs by 8260B	Total Lead by 200.7	Sample Specific Notes:	
MW-1		7/12/10			AS	4	X	X	X	X	X		not collected	
MW-2 (7/12/10)			1107			4	X	X	X	X	X			
MW-3 (7/12/10)			0935			4	X	X	X	X	X			
MW-4 (7/12/10)			1313			4	X	X	X	X	X			
MW-5 (7/12/10)			1250			4	X	X	X	X	X			
MW-6						4	X	X	X	X	X		not collected	
RW-1 (7/12/10)			1200			4	X	X	X	X	X			
TB-11266-7/12/10													Hold TB	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown														
Special Instructions/QC Requirements & Comments: Laboratory prepare Total Lead sample per Surinder Sidhu 4.9c														
Relinquished by:			Company: BAI		Date/Time: 1413		Received by: Joan Mullen			Company: TestAmerica		Date/Time: 7-12-10 1413		
Relinquished by:			Company:		Date/Time:		Received by:			Company:		Date/Time:		
Relinquished by:			Company:		Date/Time:		Received by:			Company:		Date/Time:		

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Login Sample Receipt Check List

Client: ARCADIS U.S., Inc.

Job Number: 720-29238-1

Login Number: 29238

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

BROADBENT & ASSOCIATES INC. FIELD PROCEDURES

A.1 QUALITY ASSURANCE/QUALITY CONTROL FIELD PROTOCOLS

Field protocols have been implemented to enhance the accuracy and reliability of data collection, ground-water sample collection, transportation and laboratory analysis. Discussion of these protocols is provided below.

A.1.1 Water Level & Free-Product Measurement

Prior to ground-water sample collection from each monitoring well, the presence of separate-phase hydrocarbons (SPH or free product, FP) and depth to ground water shall be measured. Depth to ground water will be measured with a standard water level indicator that has been decontaminated prior to its use in accordance with procedures discussed below. Depth to groundwater will be gauged from a saw cut notch at the top of the well casing on each well head. Where FP is suspected, the initial gauging will be done with an oil-water interface probe. Once depth to water has been measured, the first retrieval of a new disposable bailer will be scrutinized for the presence of SPH/FP.

A.1.2 Monitoring Well Purging

Subsequent to measuring depth to ground water and prior to the collection of ground-water samples, purging of standing water within the monitoring well will be performed if called for. Consistent with the American Society for Testing and Materials (ASTM) Standard D6452-99, Section 7.1, the well will be purged of approximately three wetted-casing volumes of water, or until the well is dewatered, or until monitored field parameters indicate stabilization. The well will be purged using a pre-cleaned disposable bailer or submersible pump and disposable plastic tubing dedicated to each individual well. The well will be purged at a low flow rate to minimize the possibility of purging the well dry. So that the sample collected is representative of formation water, several field parameters will be monitored during the purging process. The sample will not be collected until these parameters (i.e. temperature, pH, and conductivity) have stabilized to within 10% of the previously measured value. If a well is purged dry, the sample should not be collected until the well has recovered to a minimum 50% of its initial volume.

A.1.3 Ground-Water Sample Collection

Once the wells are satisfactorily purged, water samples will be collected from each well. Water samples for organic analyses will be collected using a pre-cleaned, new, disposable bailer and transferred into the appropriate, new, laboratory-prepared containers such that no head space or air bubbles are present in the sample container (if appropriate to the analysis). The samples will be properly labeled (i.e. sample identification, sampler initials, date/time of collection, site location, requested analyses), placed in an ice chest with bagged ice or ice substitute, and delivered to the contracted analytical laboratory.

A.1.4 Surface Water Sample Collection

Unless specified otherwise, surface water samples will be collected from mid-depth in the central area of the associated surface water body. Water samples will be collected into appropriate, new, laboratory-prepared containers by dipping the container into the surface water unless the container has a preservative present. If a sample preservative is present, a new, cleaned non-preserved surrogate container will be used to obtain the sample which will then be directly transferred into a new, laboratory-provided, preserved container. Samples will be properly labeled and transported as described above.

A.1.5 Decontamination Protocol

Prior to use in each well, re-usable ground-water sampling equipment (e.g., water level indicator, oil-interface probe, purge pump, etc.) will be decontaminated. Decontamination protocol will include thoroughly cleaning with a solution of Liquinox, rinsing with clean water, and final rinsing with control water (potable water of known quality, distilled, or de-ionized water). Pre-cleaned new disposable bailers and disposable plastic tubing will be dedicated to each individual well.

A.1.6 Chain of Custody Procedures

Sample identification documents will be carefully prepared so identification and chain of custody can be maintained and sample disposition can be controlled. The sample identification documents include Chain-of-Custody (COC) records and Daily Field Report forms. Chain of custody procedures are outlined below.

Field Custody Procedures

The field sampler is individually responsible for the care and custody of the samples collected until they are properly transferred.

Samples will have unique labels. The information on these labels will correspond to the COC which shows the identification of individual samples and the contents of the shipping container. The original COC will accompany the shipment and a copy will be retained by the field sampler.

Transfer of Custody and Shipment

A COC will accompany samples during transfer and shipment. When transferring samples, the individual relinquishing and the individual receiving the samples will each sign, date, and note the time on the COC. This documents the sample custody transfer.

Samples will be packaged properly for shipment and dispatched to the appropriate laboratory for analysis, with a separate COC accompanying each shipment. Shipments will be accompanied by the original COC. Samples will be delivered by BAI personnel to the laboratory, or shipped by responsible courier. When a shipping courier is utilized, the sample shipment number will be identified on the COC.

A.1.7 Field Records

In addition to sample identification numbers and COC records, Daily Field Report records will be maintained by field staff to provide daily records of significant events, observations, and measurements during field investigations. These documents will contain observed information such as: the personnel present, site conditions, sampling procedures, measurement procedures, calibration records, equipment used, supplies used, etc. Field measurements will be recorded on the appropriate forms. Entries on the data forms will be signed and dated. The data forms will be kept as permanent file records.

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATIONS

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	GEO_WELL
<u>Submittal Title:</u>	3Q10 GEO_WELL 11266
<u>Facility Global ID:</u>	T0600100207
<u>Facility Name:</u>	BP #11266
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
<u>IP Address:</u>	67.118.40.90
<u>Submittal Date/Time:</u>	8/23/2010 12:35:32 PM
<u>Confirmation Number:</u>	9481522560

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	EDF - Monitoring Report - Semi-Annually
<u>Submittal Title:</u>	3Q10 GW Monitoring
<u>Facility Global ID:</u>	T0600100207
<u>Facility Name:</u>	BP #11266
<u>File Name:</u>	720-29238.zip
<u>Organization Name:</u>	Broadbent & Associates, Inc.
<u>Username:</u>	BROADBENT-C
<u>IP Address:</u>	67.118.40.90
<u>Submittal Date/Time:</u>	8/23/2010 12:36:23 PM
<u>Confirmation Number:</u>	8449835538

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