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November 16, 2005

Mr. Bill Janes
Alaska Department of Environmental Conservation
410 Willoughby Avenue, Suite 105
Juneau, Alaska

RE: **2005 Groundwater Monitoring Report**
Delta Western / Former Chevron Bulk Terminal # 100-1467
1417 Peninsula Street
Wrangell, Alaska
SECOR Project No.: 77CH.11467.00.0670
ADEC # : 1994130128401

Mr. Janes:

SECOR International Incorporated (SECOR) provides this report to summarize the 2005 groundwater monitoring and sampling event at the Delta Western/Former Chevron bulk fuel terminal in Wrangell, Alaska (Figure 1). SECOR has prepared this report on behalf of Chevron Environmental Management Company (Chevron).

BACKGROUND

This site is an operating Delta Western Terminal located at 1417 Peninsula Street in Wrangell, Alaska (Figure 1). The site was developed as a fuel storage facility in the late 1930's and has operated in that capacity to the present. Site facilities have not significantly changed since the original construction. The facilities include eight above ground storage tanks (ASTs) that contain aviation gasoline, jet fuel, unleaded gasoline, supreme gasoline, diesel, and pre-mix gasoline. There is one underground storage tank (UST), which holds heating fuel for the site's shower house. Other site facilities include a fuel loading rack, pump house, a marine fueling dock servicing the Wrangell Harbor, several covered and uncovered drum storage areas, an office, and warehouse buildings. Site facilities are depicted on Figure 2.

GROUNDWATER MONITORING AND SAMPLING

On September 30, 2005, SECOR conducted groundwater monitoring and sampling at the site. Seven groundwater monitoring wells (MW-1, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9) were monitored, four wells (MW-1, MW-4, MW-5, and MW-6) were sampled, and two seeps (SEEP-1 and SEEP-2) were sampled during this event. MW-2 could not be located during this monitoring event.

Groundwater Elevation Data

During the September monitoring and sampling event, depth to groundwater was obtained from all the existing groundwater wells at the site (except MW-2), using a water level indicator graduated to

0.01 foot. This measurement was converted to a groundwater elevation for each well and used to construct a groundwater elevation contour map (Figure 2). It was also used to estimate the local groundwater flow direction and hydraulic gradient.

Estimated water level elevations measured during this monitoring event ranged from approximately 21.16 to 38.89 feet above (mean sea level) MSL. The groundwater flow direction was to the northwest at a hydraulic gradient of approximately 0.022 foot per foot (ft/ft). Estimated water level elevations are summarized in Table 1.

Groundwater Sampling

Per Alaska Department of Environmental Conservation (ADEC) approval, groundwater samples were collected using a disposable bailer. The monitoring wells were purged dry before sampling. Purge water was discarded on the ground at the site. Following the purging process, groundwater parameters of dissolved oxygen, turbidity, oxidation-reduction, pH, temperature, and conductivity were measured by a portable meter calibrated to a standard buffer and conductivity standard. Field data sheets are included in Attachment 1.

After groundwater parameters had stabilized within 10%, samples were transferred to laboratory-cleaned sample containers, sealed with Teflon®-lined caps, labeled with the sample number, time and date, and immediately placed on ice in an insulated container. Each sample was logged onto a chain-of-custody record for subsequent delivery to a State of Alaska certified analytical laboratory in Anchorage Alaska.

Groundwater samples were analyzed for gasoline range hydrocarbons (GRO) by AK 101, diesel range hydrocarbons (DRO) by AK 102, benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) method 8021 B. Samples collected from MW-4, and MW-5 also were analyzed for polynuclear aromatic hydrocarbons (PAHs) by EPA method 8270 SIM. Additionally, samples collected from MW-6 were analyzed for residual range hydrocarbons (RRO) by AK 103; VOCs by EPA method 8260, and SVOCs by EPA method 8270 (Tables 1 and 2). A groundwater concentration map is shown in Figure 3. Sampling results are summarized in the following tables.

RESULTS

Total aromatic hydrocarbons (TAH) and Total aqueous hydrocarbons (TAqH) results are summarized below.

Constituents	Number of Detections above the SWCL of the 7 Total Samples	Minimum Concentration in µg/L (Well ID)	Maximum Concentration in µg/L (Well ID)
TAH	2	0.66 (MW-4)	86.49 (MW-6)
TAqH	0	0.102 (MW-5)	2.02 (MW-4)
<u>Definitions:</u> SWCL = Surface Water Criteria Limit µg/L = Micrograms per Liter TAH = Total Aromatic Hydrocarbons TAqH = Total Aqueous Hydrocarbons			

Petroleum Hydrocarbons

Constituents	Number of Detections above the LDL of the 7 Total Samples	Minimum Concentration in µg/L (Well ID) above LDL	Maximum Concentration in µg/L (Well ID) above LDL
GRO	1	<50.0	241 (MW-6)
DRO	2	0.521 (MW-6)	1.11 (MW-4)
Benzene	1	ND	0.657 (MW-4)
Ethylbenzene	1	ND	0.660 (MW-6)
Xylenes (total)	2	ND	2.93 (MW-6)
<u>Definitions:</u> LDL = Laboratory Detection Limit µg/L = Micrograms per Liter GRO = Gasoline Range Hydrocarbons DRO = Diesel Range Hydrocarbons ND = Not Detected MW = Monitoring Well			

Polynuclear Aromatic Hydrocarbons

Constituents	Number of Detections above the LDL of the 3 Total Samples	Minimum Concentration in µg/L (Well ID) above LDL	Maximum Concentration in µg/L (Well ID) above LDL
Fluorene	1	ND (all other wells)	0.439 (MW-4)
Naphthalene	1	ND (all other wells)	0.163 (MW-4)
Phenanthrene	2	0.101 (MW-4)	0.102 (MW-5)
Anthracene	0	ND (all other wells)	ND
Acenaphthene	1	ND (all other wells)	1.07 (MW-4)
Pyrene	0	ND	ND
Chrysene	0	ND	ND
Fluoranthene	0	ND	ND
Benzo (k) fluoranthene	0	ND	ND

Definitions:
 LDL = Laboratory Detection Limit
 µg/L = Micrograms per Liter
 ND = Not Detected
 MW = Monitoring Well

Quality Control Sampling

One duplicate sample was collected and analyzed from well MW-6. The relative percent difference was evaluated using Equation 1.

Sample ID	DRO	Relative Percent Difference (RPD)	GRO (µg/L)	RPD	RRO (µg/L)	RPD
MW-6	0.521	10.2%	241	NA	<0.400	NA
MW-6 DUP	0.577		241		<0.400	

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Sample ID	Benzene (µg/L)	Relative Percent Difference RPD	Toluene	RPD	Ethyl-benzene (µg/L)	RPD	Total Xylenes (µg/L)	RPD
MW-2	<0.500	NA	82.9	NA	0.660	4.65%	2.93	4.18%
MW-6 DUP	<0.500		82.9		0.630		2.81	

Equation 1
$$RPD = \left[\frac{|S - D|}{(S + D) \div 2} \right] \times 100$$

Where: RPD = Relative Percent Difference
S = First Sample Value (original)
D = Second Sample Value (duplicate)

The laboratory analytical report and chain-of-custody documents are presented in Attachment 2.

SUMMARY AND CONCLUSIONS

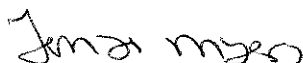
On September 30, 2005, SECOR conducted groundwater monitoring and sampling at the site. Seven groundwater monitoring wells (MW-1, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9) were monitored, four wells (MW-1, MW-4, MW-5, and MW-6) were sampled, and two seeps (SEEP-1 and SEEP-2) were sampled during this event. Analytical results during this event are consistent with historical data. SECOR plans to conduct additional monitoring and sampling at the site in 2006. The monitoring and sampling frequency for the site is currently being discussed with the Alaska Department of Environmental Conservation.

This report presents our understanding of existing site conditions at the subject site. The conclusions contained herein are based on the analytical results and professional judgment, which are in accordance with current standards of professional practice; no other warranty is expressed or implied. SECOR assumes no liability for exploratory borings or data by other consultants or contractors.

Should you have any questions or concerns regarding this report, please contact David Weigner at (916) 861-0400, ext. 277.

Sincerely,

SECOR International Incorporated


Tonya Myers
Staff Scientist


David Weigner
Project Manager

SECOR

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Enclosures:

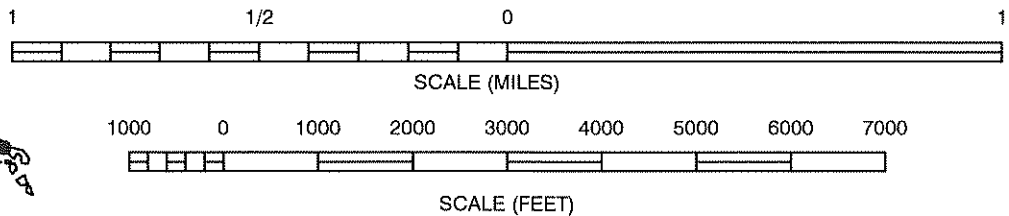
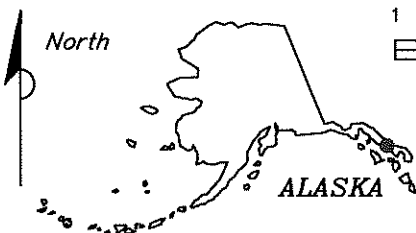
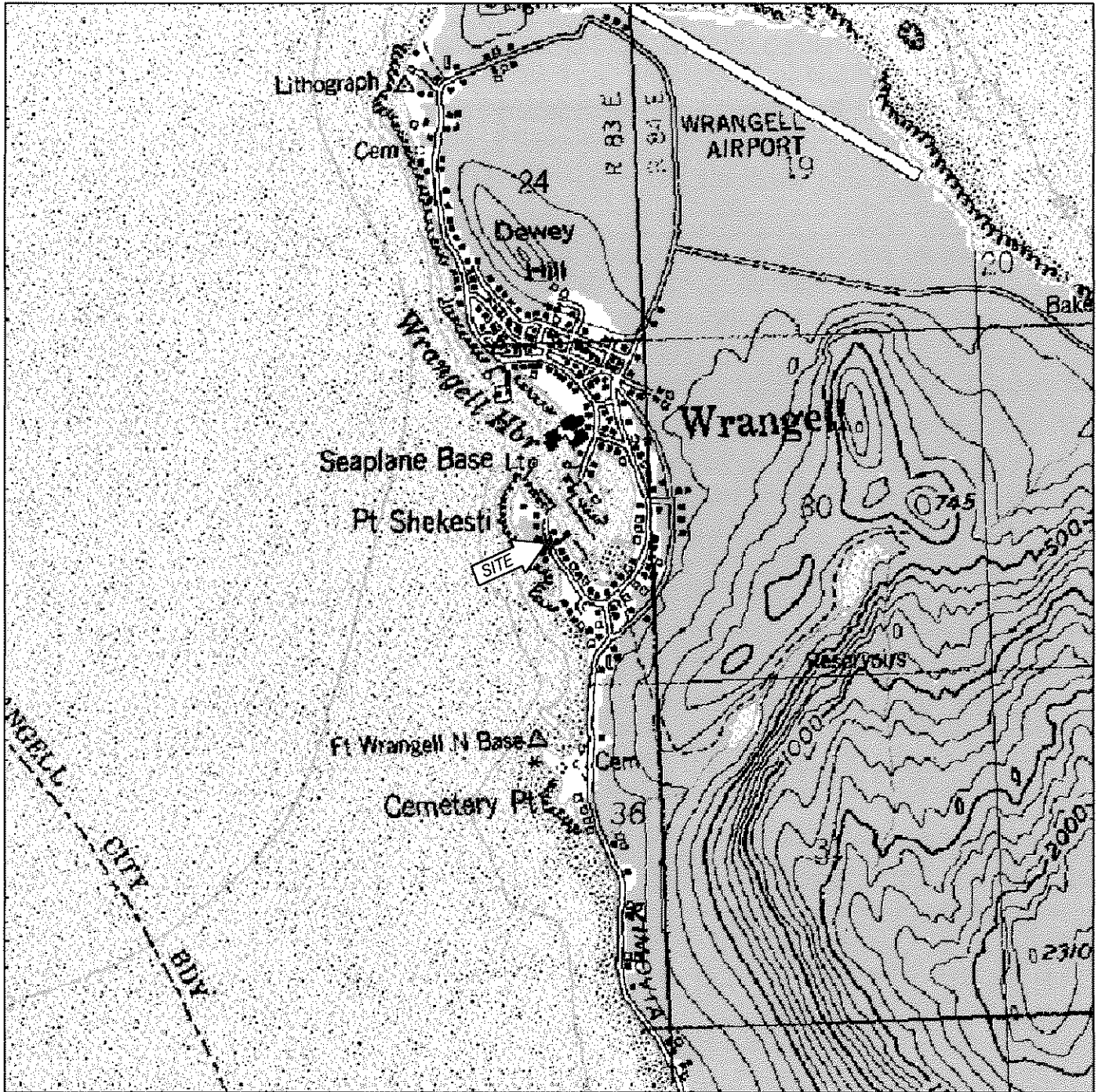
Figure 1 Site Location Map
Figure 2 Groundwater Elevation Contour Map – September 30, 2005
Figure 3 Groundwater Concentration Map – September 30, 2005

Table 1 Groundwater Elevation and Analytical Data - Petroleum Hydrocarbons
Table 2 Groundwater Analytical Data – Polynuclear Aromatic Hydrocarbons


Attachment 1 Field Data Sheets
Attachment 2 Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Stacie Hartung-Frerichs, Chevron, San Ramon,
 California
 Brian Bogen, Delta Western, Seattle, Washington
 Trena Hallback, Delta Western, Anchorage, Alaska

FIGURES



REFERENCE: USGS 7.5 MINUTE QUADRANGLE, WRANGELL, ALASKA

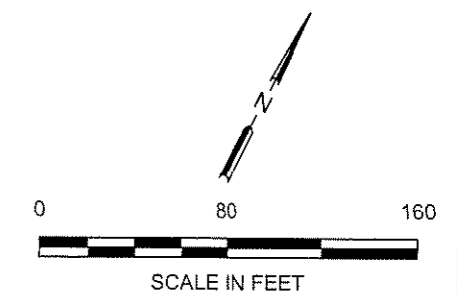
 SECOR 3017 KILGORE ROAD, SUITE 100 RANCHO CORDOVA, CALIFORNIA PHONE: (916) 861-0400/861-0430 (FAX)	FOR: DELTA WESTERN/FORMER CHEVRON BULK TERMINAL 100-1467 1417 PENINSULA DRIVE WRANGELL, ALASKA		SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 77CH.11467.00.0630	DRAWN BY: DWR	CHECKED BY: TM	APPROVED BY: TM	DATE: 10/18/05

LEGEND


- PROPERTY BOUNDARY
- APPROXIMATE SHORELINE
- ⊕ MONITORING WELL LOCATION
- ⊕ TEST PIT LOCATION, RRM (10/23-28/01)
- ⊕ TEST PIT LOCATION, RRM (10/01-03/03)
- ⊕ SEEP LOCATION
- SS2⊕ SOIL SAMPLE LOCATION, JAMES CLARE (7/00)
- ⊕-S-⊕ HAND OR POWER AUGER SOIL BORING, RRM (10/01/99)
- ⊕-T-⊕ EXCAVATION TEST PIT FOR SOIL AND GRAB GROUNDWATER SAMPLE COLLECTION, RRM (9/30/99)
- ⊕ REMOVED/DESTROYED WELL
- ← GRADIENT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT FT/FT
- 38 GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- 32.18 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- NM NOT MEASURED

TANK DESCRIPTIONS

TANK#	SIZE (gals)	CONTENTS (fuel)
1	12,690	AV-GAS 100
2	12,690	AV-GAS 100
3	12,690	AV-GAS 100
4	91,715	JET FUEL
5	70,374	UNLEADED GAS
9	19,316	SUPER UNLEADED
10	138,016	DIESEL #2



REFERENCE: THIS FIGURE IS BASED ON A MAP PROVIDED BY DELTA WESTERN

 3017 KILGORE ROAD, SUITE 100 RANCHO CORDOVA, CALIFORNIA PHONE: (916) 861-0400/861-0430 (FAX)	FOR: DELTA WESTERN/FORMER CHEVRON BULK TERMINAL 100-1467 1417 PENINSULA DRIVE WRANGELL, ALASKA	GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 30, 2005		FIGURE: 2
	JOB NUMBER: 77CH.11467.00.0630	DRAWN BY: MDR	CHECKED BY: MD	APPROVED BY: MD

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE SHORELINE
- ⊕ MONITORING WELL LOCATION
- ⊕ TEST PIT LOCATION, RRM (10/23-28/01)
- ⊕ TEST PIT LOCATION, RRM (10/01-03/03)
- ⊕ SEEP LOCATION
- ⊕ SOIL SAMPLE LOCATION, JAMES CLARE (7/00)
- ⊕ HAND OR POWER AUGER SOIL BORING, RRM (10/01/99)
- ⊕ EXCAVATION TEST PIT FOR SOIL AND GRAB GROUNDWATER SAMPLE COLLECTION, RRM (9/30/99)
- ⊕ REMOVED/DESTROYED WELL

CHEMICAL ANALYTICAL RESULTS:

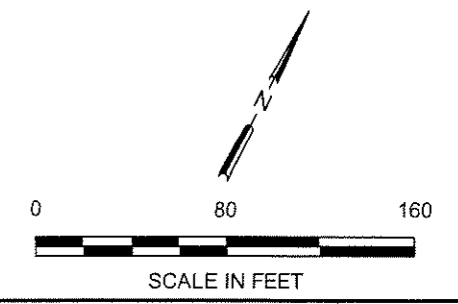
GRO	} CONCENTRATION (µg/L)
DRO	
RRO	
B	
T	
E	
X	

ANALYTES:


- GRO GASOLINE RANGE ORGANICS AS GASOLINE
- DRO DIESEL RANGE ORGANICS AS DIESEL
- RRO RESIDUAL RANGE ORGANICS
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X XYLENES
- NS NOT SAMPLED

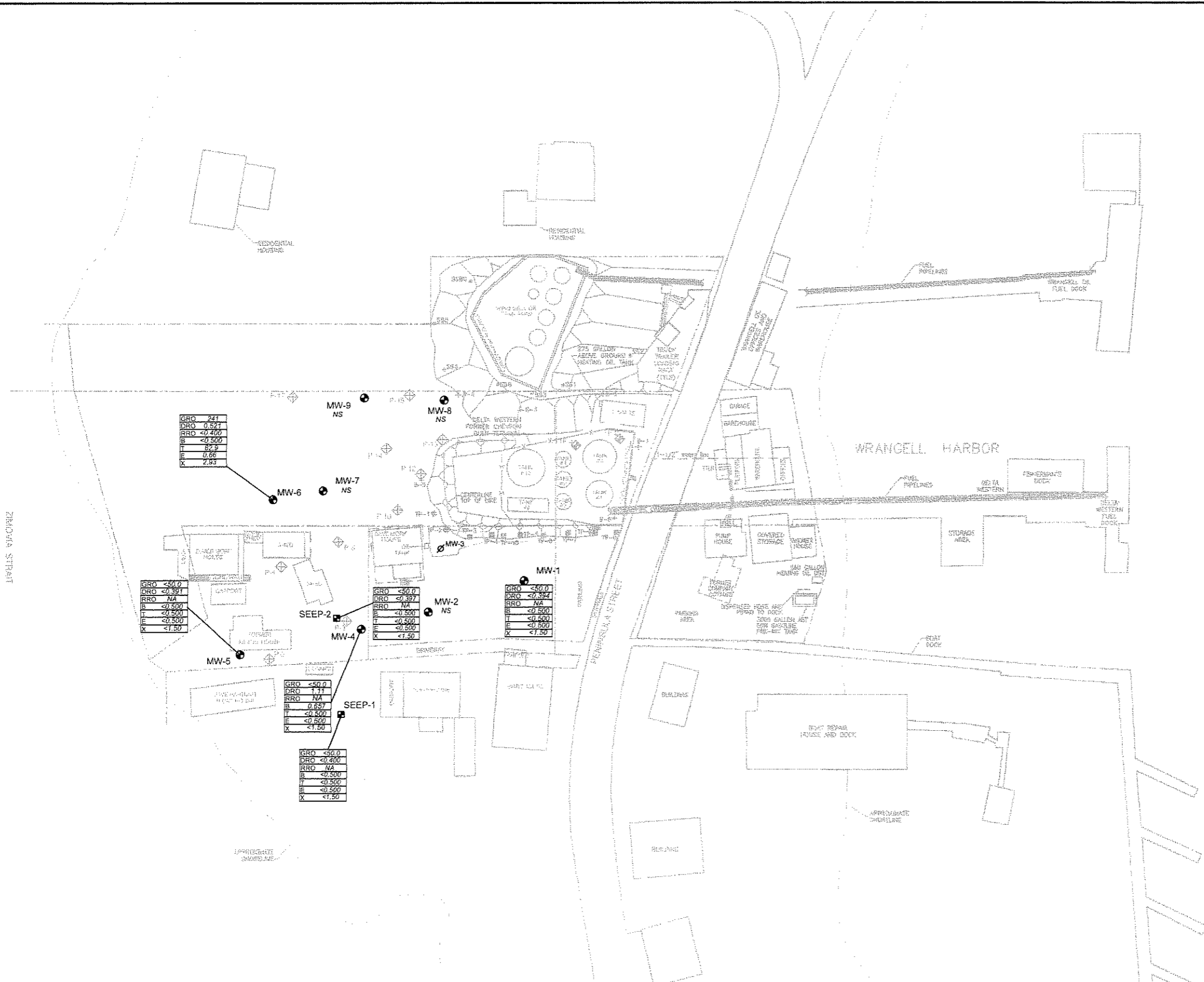
TANK DESCRIPTIONS

TANK#	SIZE (gals)	CONTENTS (fuel)
1	12,690	AV-GAS 100
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9	19,316	SUPER UNLEADED
10	138,016	DIESEL #2



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	JOB NUMBER: 77CH.11467.00.0630	DRAWN BY: MDR	CHECKED BY: MD	APPROVED BY: MD	DATE: 9/16/05



TABLES

Table 1
Groundwater Elevation and Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal # 100-1467
 1417 Peninsula Street
 Wrangell Alaska

Well Number	Date Sampled	Notes	Well Elevation (feet)	Depth to Water (feet TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	GRO (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	DRO (µg/l)	RRO (µg/l)	Total TAH (µg/l)	Total TAqH (µg/l)
MW-1	10/31/01	c, d	38.51	5.47	33.04	0.00	<50.0	0.767	<0.500	<0.500	<1.00	612	<750	0.767	--
	03/27/02	c, d	38.51	3.24	35.27	0.00	<50.0	<0.200	13.8	<0.500	<1.00	1,010	<750	13.8	--
	06/24/02	c, d	38.51	5.92	32.59	0.00	<50.0	1.64	3.96	<0.500	<1.00	874	<750	5.60	--
	09/23/02	c, d	38.51	3.32	35.19	0.00	<50.0	<0.200	1.50	<0.500	<1.00	308	<750	1.50	--
	12/13/02	c, d	38.51	3.22	35.29	0.00	<50.0	<0.200	0.944	<0.500	<1.00	382	<750	0.944	--
	03/28/03	c, d	38.51	3.74	34.77	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	149	<750	ND	--
	10/02/03	c, d	38.51	4.01	34.50	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	376	<750	ND	1.906
	08/10/04	c, d	38.51	4.56	33.95	0.00	<50.0	0.210	<0.500	<0.500	<1.00	<100	<750	0.210	--
	02/21/05	c, d	38.51	4.80	33.71	0.00	<50.0	<0.200	1.95	<0.500	<1.00	<100	<750	1.95	2.64
	09/30/05			38.51	3.61	34.90	0.00	<50.0	<0.500	<0.500	<0.500	<1.50	<0.394	NA	0
MW-2	10/31/01	c, d	33.36	1.66	31.70	0.00	80.2	16.0	0.683	<0.500	7.57	2,240	<750	24.3	26.8
	03/27/02	c, d	33.36	0.60	32.76	0.00	61.8	8.93	0.652	0.634	5.37	2,030	819	15.6	17.0
	06/24/02	c, d	33.36	3.90	29.46	0.00	67.8	21.9	<0.500	<0.500	<1.00	2,700	2,370	21.9	23.2
	09/23/02	c, d	33.36	1.01	32.35	0.00	<50.0	7.15	<0.500	<0.500	1.47	426	<750	8.62	10.7
	12/13/02	c, d	33.36	1.91	31.45	0.00	<50.0	5.51	<0.500	<0.500	1.07	715	<750	6.58	7.24
	03/28/03	c, d	33.36	1.26	32.10	0.00	<50.0	6.07	<0.500	<0.500	1.30	582	<750	7.37	7.94
	10/02/03	c, d	33.36	3.37	29.99	0.00	<50.0	1.27	<0.500	<0.500	<1.00	738	<750	1.27	2.91
	08/10/04	c, d	33.36	3.73	29.63	0.00	<50.0	2.10	<0.500	<0.500	<1.00	188	<750	2.10	--
	02/21/05	c					WELL INACCESSIBLE								
	09/30/05						UNABLE TO LOCATE								
MW-3	10/31/01	c, d	34.65	0.00	34.65	0.00	243	12.3	21.3	4.21	25.6	2,150	<750	63.4	--
	03/27/02	c, d	34.65	0.02	34.63	0.00	363	8.65	50.2	7.38	22.0	3,920	1,190	88.2	--
	06/24/02	c, d	34.65	0.60	34.05	0.00	363	7.99	57.2	10.3	20	1,840	859	95.5	--
	09/23/02	c, d	34.65	0.00	34.65	0.00	181	2.11	6.88	4.11	4.75	1,440	<750	17.9	--
	12/13/02	c, d	34.65	0.50	34.15	0.00	314	4.90	15.6	6.16	12.1	3,080	938	38.8	--
	03/28/03	c, d	34.65	0.05	34.60	0.00	286	4.76	3.60	8.18	10.4	1,630	<750	27.0	--
	10/02/03	c, d	34.65	0.12	34.53	0.00	342	4.43	2.03	6.86	7.34	580	<750	20.7	--
	08/10/04	c, d	34.65	0.83	33.82	0.00	305	5.06	4.63	0.703	3.08	2,470	<750	13.5	18.3
		c					WELL REMOVED ON 8/10/04								

Table 1
Groundwater Elevation and Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal # 100-1467
 1417 Peninsula Street
 Wrangell Alaska

Well Number	Date Sampled	Notes	Well Elevation (feet)	Depth to Water (feet TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	GRO (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	DRO (µg/l)	RRO (µg/l)	Total TAH (µg/l)	Total TAqH (µg/l)
MW-4	10/31/01	c, d	28.80	0.21	28.59	0.00	<50.0	1.43	2.18	0.510	2.30	7,230	922	6.42	7.64
	03/27/02	c, d	28.80	0.50	28.30	0.00	90.3	2.94	28.1	<0.500	<1.00	1,950	<750	31.0	32.4
	06/24/02	c, d	28.80	0.64	28.16	0.00	104	3.12	36.4	<0.500	<1.00	1,830	776	39.5	40.2
	09/23/02	c, d	28.80	0.00	28.80	0.00	77.3	1.80	27.1	<0.500	<1.00	735	<750	28.9	29.6
	12/13/02	c, d	28.80	1.38	27.42	0.00	<50.0	1.39	1.31	<0.500	<1.00	1,990	<750	2.70	3.30
	03/28/03	c, d	28.80	0.40	28.40	0.00	<50.0	2.23	<0.500	<0.500	<1.00	2,010	<750	2.23	3.55
	10/02/03	c, d	28.80	0.57	28.23	0.00	<50.0	1.47	<0.500	<0.500	<1.00	1,790	<750	1.47	3.45
	08/10/04	c, d	28.80	1.02	27.78	0.00	<50.0	2.09	<0.500	<0.500	<1.00	724	<750	2.09	5.27
	02/21/05	c					WELL INACCESSIBLE								
	09/30/05		28.80	1.33	27.47	0.00	<50.0	0.657	<0.500	<0.500	<1.50	1.11	NA	0.66	2.02
MW-5	10/31/01	c, d	21.47	0.00	21.47	0.00	<50.0	<0.200	0.662	<0.500	<1.00	771	<750	0.662	12.7
	03/27/02	c, d	21.47	0.30	21.17	0.00	106	<0.200	45.8	<0.500	<1.00	1,050	<750	45.8	49.8
	06/24/02	c, d	21.47	0.33	21.14	0.00	137	<0.200	54.3	<0.500	<1.00	744	<750	54.3	—
	09/23/02	c, d	31.47 ^a	9.38	22.09	0.00	69.5	<0.200	22.4	<0.500	<1.00	325	<750	22.4	24.9
	12/13/02	c, d	31.47	9.77	21.70	0.00	<50.0	<0.200	15.4	<0.500	<1.00	311	<750	15.4	—
	03/28/03	c, d	26.47	5.67	20.80	0.00	<50.0	<0.200	2.54	<0.500	<1.00	216	<750	219	219
	10/02/03	c, d	26.47	5.69	20.78	0.00	439	<0.200	281	<0.500	<1.00	488	<750	281	283
	08/10/04	c, d	26.47	5.83	20.64	0.00	<50.0	<0.200	0.808	<0.500	<1.00	<100	<750	0.808	1.06
	02/21/05	c, d	26.47	4.78	21.69	0.00	<50.0	<0.200	0.887	<0.500	<1.00	<100	<750	0.887	2.11
	09/30/05		26.47	5.31	21.16	0.00	<50.0	<0.500	<0.500	<0.500	<1.50	<0.391	NA	0	0.102
MW-6	10/31/01	c, d	37.10	4.96	32.14	0.00	<50.0	0.391	<0.500	<0.500	<1.00	1,250	<840	0.391	0.491
	03/27/02	c, d	37.10	3.88	33.22	0.00	541	0.397	12.2	<0.500	<1.00	13,200	<15,000	12.6	—
	06/24/02	c, d	37.10	4.74	32.36	0.00	555	1.01	26.2	<2.50	<5.00	66,000	<7,500	27.2	—
	09/23/02	c, d	37.10	3.95	33.15	0.00	1,210	<2.00	256	<5.00	<10.0	21,500	<7,500	256	475
	12/13/02	c, d	37.10	4.73	32.37	0.00	1,420	1.74	309	<2.50	<5.00	31,000	803	311	—
	03/28/03	c, d	37.10	3.61	33.49	0.00	455	3.61	236	3.06	17.6	7,720	<750	260	—
	10/02/03	c, d	37.10	3.61	33.49	0.00	1,820	4.93	991	5.96	29.1	935	<750	1031	1035
	08/10/04	c, d	37.10	4.88	32.22	0.00	347	0.718	128	1.42	4.90	2,420	792	135	139
	02/21/05	c, d	37.10	3.68	33.42	0.00	740	1.12	433	2.25	9.24	265	<750	446	448
	09/30/05		37.10	3.66	33.44	0.00	241	<0.500	82.9	0.660	2.93	0.521	<0.400	86.49	0
Duplicate	09/30/05		37.10	3.66	33.44	0.00	241	<0.500	82.9	0.630	2.81	0.577	<0.400	86.34	NA

**Table 1
Groundwater Elevation and Analytical Data
(Petroleum Hydrocarbons)**

Delta Western/Former Chevron Bulk Terminal # 100-1467
1417 Peninsula Street
Wrangell Alaska

Well Number	Date Sampled	Notes	Well Elevation (feet)	Depth to Water (feet TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	GRO (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	DRO (µg/l)	RRO (µg/l)	Total TAH (µg/l)	Total TAqH (µg/l)
MW-7	10/31/01	c, d	35.90	2.53	33.37	0.00	<50.0	0.271	<0.500	<0.500	<1.00	609	<750	0.271	--
	03/27/02	c, d	35.90	3.02	32.88	0.00	155	<0.400	68.3	<1.00	<2.00	7,610	<3,750	68.3	--
	06/24/02	c, d	35.90	3.63	32.27	0.00	234	<0.200	95.9	<0.500	<1.00	10,300	<750	95.9	--
	09/23/02	c, d	35.90	3.12	32.78	0.00	525	0.274	184	<0.500	<1.00	<100	<750	187	--
	12/13/02	c, d	35.90	3.85	32.05	0.00	374	<0.200	170	<0.500	<1.00	1,960	<750	170	--
	03/28/03	c, d	35.90	2.74	33.16	0.00	223	<0.200	146	<0.500	<1.00	799	<750	146	--
	10/02/03	c, d	35.90	2.78	33.12	0.00	97.5	<0.200	59.3	<0.500	<1.00	827	<750	59.3	--
	08/10/04	c, d	35.90	4.60	31.30	0.00	<50.0	<0.200	1.75	<0.500	<1.00	<100	<750	1.75	--
	02/21/05	c, d	35.90	2.42	33.48	0.00	<50.0	<0.200	0.808	<0.500	<1.00	<100	<750	0.808	--
	09/30/05		35.90	4.20	31.70	0.00	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	10/31/01	c, d	43.16	6.24	36.92	Sheen	981	2.39	2.97	21.6	43.7	83,900	<30,000	70.7	--
	03/27/02	c, d	43.16	4.50	38.66	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	10,200	<7,500	ND	--
	06/24/02	c, d	43.16	7.78	35.38	0.00	395	2.81	11.7	21.7	29.3	11,900	<750	65.5	--
	09/23/02	c, d	43.16	4.96	38.20	0.00	101	<0.200	19.3	<0.500	<1.00	4,480	<750	19.3	--
	12/13/02	c, d	43.16	6.00	37.16	0.00	87.7	<0.200	12.2	<0.500	<1.00	7,330	<750	12.2	--
	03/28/03	c, d	43.16	6.44	36.72	0.00	<50.0	<0.200	1.18	<0.500	<1.00	6,390	<750	1.18	--
	10/02/03	c, d	43.16	7.14	36.02	0.00	131	0.414	11.4	1.04	1.8	5,050	<750	14.7	--
	08/10/04	c, d	43.16	8.30	34.86	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	1,400	<750	ND	--
	02/21/05	c, d	43.16	3.14	40.02	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	09/30/05		43.16	4.27	38.89	0.00	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	10/31/01	c, d	39.46	2.35	37.11	0.00	<50.0	0.389	0.717	<0.500	<1.00	404	<750	1.11	--
	03/27/02	c, d	39.46	3.00	36.46	0.00	<50.0	<0.200	1.36	<0.500	<1.00	802	<750	1.36	--
	06/24/02	c, d	39.46	3.76	35.70	0.00	<50.0	<0.200	2.07	<0.500	<1.00	270	<750	2.07	--
	09/23/02	c, d	39.46	2.79	36.67	0.00	<50.0	0.277	7.50	<0.500	<1.00	367	<750	7.78	--
	12/13/02	c, d	39.46	3.97	35.49	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	187	<750	ND	--
	03/28/03	c, d	39.46	3.04	36.42	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	10/02/03	c, d	39.46	3.09	36.37	0.00	<50.0	<0.200	3.61	<0.500	<1.00	540	<750	3.61	--
	08/10/04	c, d	39.46	3.74	35.72	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	02/21/05	c, d	39.46	2.27	37.19	0.00	<50.0	<0.200	<0.500	<0.500	<1.00	143	<750	ND	--
	09/30/05		39.46	2.91	36.55	0.00	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1
Groundwater Elevation and Analytical Data
(Petroleum Hydrocarbons)

Delta Western/Former Chevron Bulk Terminal # 100-1467
 1417 Peninsula Street
 Wrangell Alaska

Well Number	Date Sampled	Notes	Well Elevation (feet)	Depth to Water (feet TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	GRO (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	DRO (µg/l)	RRO (µg/l)	Total TAH (µg/l)	Total TAqH (µg/l)
<i>Tank Farm Pit Grab Samples</i>															
TF-2	--	c, d	--	--	--	--	1,110	1.64	1.09	6.67	12.1	4,380	<750	21.5	--
TF-4	--	c, d	--	--	--	--	1,240	5.81	1.28	97.3	102	53,900	2,550	206	--
<i>Seep Samples</i>															
Seep-1	11/01/01	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	824	<750	ND	72.0
	03/27/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	293	<750	ND	1.00
	06/25/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	9.50
	09/23/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	178	<750	ND	35.2
	12/14/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	152	<750	ND	ND
	03/29/03	c, d	--	--	--	--	<50.0	<0.200	1.09	<0.500	2.14	<100	<750	3.23	3.63
	10/03/03	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	152	<750	ND	127
	08/10/04	c	--	--	--	--			DRY						
	02/21/05	c	--	--	--	--			DRY						
	09/30/05		--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<0.400	NA	0	NA
Seep-2	11/01/01	c, d	--	--	--	--	69.8	1.09	2.75	1.05	13.2	755	<1,430	18.1	19.0
	03/27/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	ND
	06/26/02	c, d	--	--	--	--	<50.0	0.275	0.572	<0.500	<1.00	642	1,160	0.847	1.68
	09/23/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	--
	12/14/02	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	144	<750	ND	--
	03/29/03	c, d	--	--	--	--	<50.0	<0.200	<0.500	<0.500	<1.00	<100	<750	ND	ND
	10/03/03	c, d	--	--	--	--									
	08/10/04	c, d	--	--	--	--									
	02/21/05	c, d	--	--	--	--									
	09/30/05		--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<0.397	NA	0	NA
ADEC Groundwater cleanup levels per 18AAC 75.345, Table C, Register 165, January 2003.					--	--	1,500	5	1,000	700	10,000	1,300	1,100	10 (e)	15 (e)

**Table 1
Groundwater Elevation and Analytical Data
(Petroleum Hydrocarbons)**

Delta Western/Former Chevron Bulk Terminal # 100-1467
1417 Peninsula Street
Wrangell Alaska

Well Number	Date Sampled	Notes	Well Elevation (feet)	Depth to Water (feet TOC)	Groundwater Elevation (feet)	LPH Thickness (feet)	GRO (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	DRO (µg/l)	RRO (µg/l)	Total TAH (µg/l)	Total TAqH (µg/l)
<p>Explanations:</p> <ul style="list-style-type: none"> TOC = top of casing LPH = liquid phase hydrocarbon GRO = gasoline range organics DRO = diesel range organics RRO = residual range organics MSL = mean sea level TAH = total aromatic hydrocarbons (totaled concentrations of benzene, toluene, ethyl-benzene, and total xylenes) TAqH = total aqueous hydrocarbons (totaled concentrations of TAH and total PAHs from Table 2) - = not analyzed µg/l = micrograms per liter ND = not detected - all compounds ppb = parts per billion NA =not analyzed NS = not sampled < = not detected at or above laboratory detection limit shown a = 10.0 feet of casing added to well due to residential construction activities. b = 5.0 feet removed following residential construction activities c = historcial analytical data provided by Remediation Risk Management (RRM), data is located in the <i>Wrangell Soil and Groundwater Remedial Investigation Report</i> d =sampled by RRM 															

ATTACHMENT 1
FIELD DATA SHEETS

2005 Groundwater Monitoring Report
Delta Western / Former Chevron Bulk Terminal 100-1467
1417 Peninsula Street
Wrangell, Alaska
SECOR Project No.: 77CH.11467.00.0670
November 16, 2005

SECOR- GROUND WATER GAUGING FORM

7/30/05

MEASURED TO TOC OR GRADE? Top of Casing

IPGauge #:

WELL I.D.	Approx DTB (ft)	WELL DIAM.	DTW TOC (ft bgs)	DTW (1Q05) TOC (ft bgs)	Depth to SPH (ft bgs)	GRO 1Q05 (ug/L)	DRO 1Q05 (ug/L)	NOTES OR COMMENTS 3Q05
MW-8	8.78 No Data	2.0	4.27	3.14	N/A	<50.0	<100	Stovepipe Well (Locked)
MW-7	8.85 No Data	2.0	4.20	2.42	N/A	<50.0	<100	Stovepipe Well (Locked)
MW-1	7.78 No Data	2.0	3.61	4.80	N/A	<50.0	<100	Stovepipe Well (Locked)
MW-5	11.99 No Data	2.0	5.31	4.78	N/A	<50.0	<100	Flush Mount Well
MW-9	6.11 No Data	2.0	2.91	2.27	N/A	<50.0	143	Stovepipe Well (Locked)
MW-2	No Data	2.0		3.73		<50.0 (3Q04)	188 (3Q04)	Couldnt locate
MW-4	6.37 No Data	2.0	1.33	1.02	N/A	<50.0 (3Q04)	724 (3Q04)	Flush Mount Well
MW-6	8.27 No Data	2.0	3.66	3.68	N/A	740	265	Stovepipe Well (Locked)
Seep-2	NA	NA		NA	NA	<50.0 (1Q03)	<100 (1Q03)	
Seep-1	NA	NA		NA	NA	<50.0 (4Q03)	152 (4Q03)	

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 77CH.11467.00.0650 PURGED BY: T. Myers WELL I.D.: MW-1
 CLIENT NAME: Former Chevron 1001467 SAMPLED BY: _____ SAMPLE I.D.: MW-1-W-20050930
 LOCATION: 1417 Peninsula Street, Wrangell, AK QA SAMPLES: None

DATE PURGED 9/30/05 START (2400hr) 8:00 11:20 END (2400hr) 11:35
 DATE SAMPLED 9/30/05 SAMPLE TIME (2400hr) 12:00
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 7.78 CASING VOLUME (gal) = 0.709
 DEPTH TO WATER (feet) = 3.61 CALCULATED PURGE (gal) = 1.0
 WATER COLUMN HEIGHT (feet) = 4.17 ACTUAL PURGE (gal) = 4.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>9/30/05</u>	<u>11:31</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>"</u>	<u>11:23</u>	<u>1.0</u>	<u>12.1°C</u>	<u>6.432</u>	<u>5.51</u>	<u>-</u>	<u>16.4</u>
<u>"</u>	<u>11:26</u>	<u>2.0</u>	<u>11.5°C</u>	<u>0.332</u>	<u>6.20</u>	<u>-</u>	<u>27.9</u>
<u>"</u>	<u>11:28</u>	<u>3.0</u>	<u>11.3°C</u>	<u>0.324</u>	<u>6.23</u>	<u>-</u>	<u>10.5</u>
<u>"</u>	<u>11:31</u>	<u>4.0</u>	<u>11.7</u>	<u>0.374</u>	<u>6.17</u>	<u>-</u>	<u>9.3</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.71 SAMPLE TURBIDITY: _____

80% RECHARGE: YES NO ANALYSES: GRO by AK101, DRO by AK102 and BTEX by EPA 8021B
 ODOR: None SAMPLE VESSEL / PRESERVATIVE: 3 HCL-preserved 40-ml VOAs, 2 HCL preserved 125-ml Ambers

PURGING EQUIPMENT

Bladder Pump Bailer (Disposable)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC or disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: 1467

REMARKS:
 DO: 11.98
 ORP: -44

SIGNATURE: _____ Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 77CH.11467.00.0650 PURGED BY: T. Myers WELL I.D.: MW-5
 CLIENT NAME: Former Chevron 1001467 SAMPLED BY: T. Myers SAMPLE I.D.: MW-5-W-28050930
 LOCATION: 1417 Peninsula Street, Wrangell, AK QA SAMPLES: None

DATE PURGED 9/30/05 START (2400hr) 11:40 END (2400hr) 11:45
 DATE SAMPLED 9/30/05 SAMPLE TIME (2400hr) 120
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 11.99 CASING VOLUME (gal) = 1.136
 DEPTH TO WATER (feet) = 5.31 CALCULATED PURGE (gal) = 1.2
 WATER COLUMN HEIGHT (feet) = 6.68 ACTUAL PURGE (gal) = 1.5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>9/30/05</u>	<u>1144</u>	<u>1.5</u>	<u>11.63°C</u>	<u>0.558</u>	<u>5.71</u>		<u>245.0</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.25 SAMPLE TURBIDITY: _____

80% RECHARGE: YES NO ANALYSES: GRO by AK101, DRO by AK102, BTEX by EPA 8021B and PAH by 8270C SIM

ODOR: None SAMPLE VESSEL / PRESERVATIVE: 3 HCL-preserved 40-ml VOAs, 2 HCL preserved 125-ml Ambers and 2 unpreserved 1L Ambers

PURGING EQUIPMENT

Bladder Pump Bailer (Disposable)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC or disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: 1467

REMARKS: ~ 5 min to bail the well dry
 DO: 11.09
 ORP: -49

SIGNATURE: _____ Page ___ of ___

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 77CH.11467.00.0650 PURGED BY: D. McKenna WELL I.D.: MW-6
 CLIENT NAME: Former Chevron 1001467 SAMPLED BY: B. McKenna SAMPLE I.D.: MW-6-W-2005-0930
 LOCATION: 1417 Peninsula Street, Wrangell, AK QA SAMPLES: MW-6-WD-

DATE PURGED 7/30/05 START (2400hr) 11:30 END (2400hr) 11:40
 DATE SAMPLED 7/30/05 SAMPLE TIME (2400hr) 12:05
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 3.27 CASING VOLUME (gal) = 0.784
 DEPTH TO WATER (feet) = 3.66 CALCULATED PURGE (gal) = 1.0
 WATER COLUMN HEIGHT (feet) = 4.61 ACTUAL PURGE (gal) = < 1.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>7/30/05</u>	<u>1136</u>	<u>21.0</u>	<u>10.36 °C</u>	<u>0.196</u>	<u>6.13</u>		<u>208.0</u>

SAMPLE DEPTH TO WATER: 3.72 SAMPLE INFORMATION SAMPLE TURBIDITY: _____

80% RECHARGE: YES NO ANALYSES: GRO by AK101, BTEX by EPA 8021B, DRO/RRO by AK102/AK103
VOCs by EPA 8260 and SVOCs by EPA 8270

ODOR: None SAMPLE VESSEL / PRESERVATIVE: 6 HCL-preserved 40-ml VOAs, 2 HCL preserved 125-ml Ambers and 1 unpreserved 1L Amber for each sample

PURGING EQUIPMENT

Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____

Bailer (Disposable)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (Teflon)
 Bailer (PVC or disposable)
 Bailer (Stainless Steel)
 Dedicated _____

WELL INTEGRITY: good LOCK#: 1467

REMARKS: 5 minutes to bail the well dry
 JO: 10.52
 ORP: 63

SIGNATURE: _____ Page of

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 77CH.11467.00.0650 PURGED BY: B. McKenna WELL I.D.: MW-4
 CLIENT NAME: Former Chevron 1001467 SAMPLED BY: ✓ SAMPLE I.D.: MW-4-W-20050930
 LOCATION: 1417 Peninsula Street, Wrangell, AK QA SAMPLES: None

DATE PURGED 9/30/05 START (2400hr) 11:40 END (2400hr) 11:45
 DATE SAMPLED 9/30/05 SAMPLE TIME (2400hr) 12:35
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 6.37 CASING VOLUME (gal) = 0.857
 DEPTH TO WATER (feet) = 1.33 CALCULATED PURGE (gal) = 1.0
 WATER COLUMN HEIGHT (feet) = 5.04 ACTUAL PURGE (gal) = < 1.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
<u>9/30/05</u>	<u>1141</u>	<u>< 1.0</u>	<u>11.49</u>	<u>0.473</u>	<u>5.46</u>		<u>233.0</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: YES NO ANALYSES: GRO by AK101, DRO by AK102, BTEX by EPA 8021B and PAH by 8270C SIM
 ODOR: None SAMPLE VESSEL / PRESERVATIVE: 3 HCL-preserved 40-ml VOAs, 2 HCL preserved 125-ml Ambers and 2 unpreserved 1L Ambers

PURGING EQUIPMENT

Bladder Pump Bailer (Disposable)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC or disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: ~~1555~~

REMARKS: 5 minutes to bail the well dry
 DO: 11.11
 ORP: 57.08

SIGNATURE: _____ Page of

SECOR International Inc.
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 77CH.11467.00.0650 PURGED BY: _____ WELL I.D.: MW-2
 CLIENT NAME: Former Chevron 1001467 SAMPLED BY: _____ SAMPLE I.D.: MW-2-W-2005 0930
 LOCATION: 1417 Peninsula Street, Wrangell, AK QA SAMPLES: None

DATE PURGED _____ START (2400hr) _____ END (2400hr) _____
 DATE SAMPLED _____ SAMPLE TIME (2400hr) _____
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = _____ CASING VOLUME (gal) = _____
 DEPTH TO WATER (feet) = _____ CALCULATED PURGE (gal) = _____
 WATER COLUMN HEIGHT (feet) = _____ ACTUAL PURGE (gal) = _____

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)

Unable to locate

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: _____ SAMPLE TURBIDITY: _____

80% RECHARGE: YES NO ANALYSES: GRO by AK101, DRO by AK102, BTEX by EPA 8021B and PAH by 8270C SIM
 ODOR: _____ SAMPLE VESSEL / PRESERVATIVE: 3 HCL-preserved 40-ml VOAs, 2 HCL preserved 125-ml Ambers and 2 unpreserved 1L Ambers

PURGING EQUIPMENT

____ Bladder Pump Bailer (Disposable)
 ____ Centrifugal Pump _____ Bailer (PVC)
 ____ Submersible Pump _____ Bailer (Stainless Steel)
 ____ Peristaltic Pump _____ Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

____ Bladder Pump _____ Bailer (Teflon)
 ____ Centrifugal Pump Bailer (_____ PVC or disposable)
 ____ Submersible Pump _____ Bailer (Stainless Steel)
 ____ Peristaltic Pump _____ Dedicated _____
 Other: _____

WELL INTEGRITY: _____ LOCK#: 1467

REMARKS: Unable to locate
 DO: _____
 ORP: _____

SIGNATURE: _____ Page ____ of ____

ATTACHMENT 2
LABORATORY ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTATION

2005 Groundwater Monitoring Report
Delta Western / Former Chevron Bulk Terminal 100-1467

1417 Peninsula Street

Wrangell, Alaska

SECOR Project No.: 77CH.11467.00.0670

November 16, 2005



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October 17, 2005

David Weigner
SECOR
3017 Kilgore Road, Ste.100
Rancho Cordova, CA/USA 95670

RE: Delta Western/Former Chevron Terminal

Enclosed are the results of analyses for samples received by the laboratory on 10/03/05 11:00.
The following list is a summary of the NCA Work Orders contained in this report.
If you have any questions concerning this report, please feel free to contact me.

<u>Work</u>	<u>Project</u>	<u>ProjectNumber</u>
A5J0005	Delta Western/Former Chevron Termi	100-1467

Thank You,

Stephen Wilson, Laboratory Manager

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Environmental Laboratory Network



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SECOR 3017 Kilgore Road, Ste. 100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	<u>Report Created:</u> 10/17/05 16:46
	Project Number:	100-1467	
	Project Manager:	David Weigner	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A5J0005-01	Water	09/30/05 12:00	10/03/05 11:00
MW-4	A5J0005-02	Water	09/30/05 12:35	10/03/05 11:00
MW-5	A5J0005-03	Water	09/30/05 12:20	10/03/05 11:00
MW-6	A5J0005-04	Water	09/30/05 12:05	10/03/05 11:00
SEEP-1	A5J0005-05	Water	09/30/05 12:50	10/03/05 11:00
SEEP-2	A5J0005-06	Water	09/30/05 13:10	10/03/05 11:00
MW-6-WD	A5J0005-07	Water	09/30/05 12:05	10/03/05 11:00
trip blank	A5J0005-08	Water	09/30/05 12:00	10/03/05 11:00
trip blank	A5J0005-09	Water	09/30/05 12:00	10/03/05 11:00

North Creek Analytical - Alaska

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SECOR 3017 Kilgore Road, Ste. 100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	
	Project Number:	100-1467	<u>Report Created:</u>
	Project Manager:	David Weigner	10/17/05 16:46

Analytical Case Narrative
North Creek Analytical - Portland

A5J0005

North Creek Analytical - Bothell

Project Number: B5J0077/A5J0005

1.0 DESCRIPTION OF CASE

Three aqueous samples were received for analysis of: Semivolatile Organic Compounds by EPA Method 8270C, Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring.

2.0 COMMENTS ON SAMPLE RECEIPT

Samples were received on October 5, 2005. The sample temperature at receipt was 2.0 °C.

3.0 PREPARATIONS AND ANALYSIS

Semivolatile Organic Compounds by EPA Method 8270C

No anomalies were associated with sample preparation and analysis. All criteria for acceptable QC measurements were met.

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

The Blank Spike Duplicate had a recovery for Pentachlorophenol that was above laboratory established control limits. The associated samples were non-detect. No further corrective action was taken.

No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of this report.

North Creek Analytical - Alaska

Stephen Wilson, Laboratory Manager

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SECOR 3017 Kilgore Road, Ste.100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
	Project Number:	100-1467	
	Project Manager:	David Weigner	

Gasoline Range Organics (C6-C10) and BTEX per AK101
 North Creek Analytical - Alaska

Analyte	Method	Result	MDL ^A	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
---------	--------	--------	------------------	-----	-------	-----	-------	----------	----------	-------

A5J0005-01	Water	MW-1	Sampled: 09/30/05 12:00							
Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100029	10/07/05	10/10/05 16:11	
Benzene	"	ND	----	0.500	"	"	"	"	"	"
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	"

Surrogate(s): a,a,a-TFT (FID) Recovery: 85.5% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 75.3% 72.5 - 131 % "

A5J0005-02	Water	MW-4	Sampled: 09/30/05 12:35							
Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100029	10/07/05	10/09/05 02:20	
Benzene	"	0.657	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	"

Surrogate(s): a,a,a-TFT (FID) Recovery: 83.8% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 80.6% 72.5 - 131 % "

A5J0005-03	Water	MW-5	Sampled: 09/30/05 12:20							
Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100029	10/07/05	10/09/05 02:53	
Benzene	"	ND	----	0.500	"	"	"	"	"	"
Toluene	"	ND	----	0.500	"	"	"	"	"	"
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	"
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	"

Surrogate(s): a,a,a-TFT (FID) Recovery: 85.4% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 83.2% 72.5 - 131 % "

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste.100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Gasoline Range Organics (C6-C10) and BTEX per AK101
 North Creek Analytical - Alaska

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-04	Water	MW-6	Sampled: 09/30/05 12:05							
Gasoline Range Organics	AK101	241	----	50.0	ug/l	1x	5100029	10/07/05	10/09/05 03:25	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	82.9	----	0.500	"	"	"	"	"	
Ethylbenzene	"	0.660	----	0.500	"	"	"	"	"	
Xylenes (total)	"	2.93	----	1.50	"	"	"	"	"	

Surrogate(s): a,a,a-TFT (FID) Recovery: 79.2% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 76.7% 72.5 - 131 % "

A5J0005-05	Water	SEEP-1	Sampled: 09/30/05 12:50							
Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100029	10/07/05	10/09/05 03:58	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	

Surrogate(s): a,a,a-TFT (FID) Recovery: 86.1% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 83.4% 72.5 - 131 % "

A5J0005-06	Water	SEEP-2	Sampled: 09/30/05 13:10							
Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100029	10/07/05	10/09/05 04:30	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	

Surrogate(s): a,a,a-TFT (FID) Recovery: 84.9% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 82.2% 72.5 - 131 % "

North Creek Analytical - Alaska

Stephen Wilson, Laboratory Manager

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SECOR	Project Name: Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
3017 Kilgore Road, Ste.100	Project Number: 100-1467	
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Gasoline Range Organics (C6-C10) and BTEX per AK101

North Creek Analytical - Alaska

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	-------	----------	----------	-------

A5J0005-07 Water MW-6-WD Sampled: 09/30/05 12:05

Gasoline Range Organics	AK101	241	----	50.0	ug/l	1x	5100029	10/07/05	10/09/05 05:03	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	82.9	----	0.500	"	"	"	"	"	
Ethylbenzene	"	0.630	----	0.500	"	"	"	"	"	
Xylenes (total)	"	2.81	----	1.50	"	"	"	"	"	

Surrogate(s): a,a,a-TFT (FID) Recovery: 81.9% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 79.5% 72.5 - 131 % "

A5J0005-08 Water trip blank Sampled: 09/30/05 12:00

Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100028	10/07/05	10/07/05 21:25	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	

Surrogate(s): a,a,a-TFT (FID) Recovery: 89.9% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 87.6% 72.5 - 131 % "

A5J0005-09 Water trip blank Sampled: 09/30/05 12:00

Gasoline Range Organics	AK101	ND	----	50.0	ug/l	1x	5100028	10/07/05	10/07/05 21:58	
Benzene	"	ND	----	0.500	"	"	"	"	"	
Toluene	"	ND	----	0.500	"	"	"	"	"	
Ethylbenzene	"	ND	----	0.500	"	"	"	"	"	
Xylenes (total)	"	ND	----	1.50	"	"	"	"	"	

Surrogate(s): a,a,a-TFT (FID) Recovery: 89.7% Limits: 50 - 150 % "
 a,a,a-TFT (PID) 88.1% 72.5 - 131 % "

North Creek Analytical - Alaska

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Stephen Wilson, Laboratory Manager

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SECOR 3017 Kilgore Road, Ste.100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
	Project Number:	100-1467	
	Project Manager:	David Weigner	

Diesel Range Organics (C10-C25) per AK102

North Creek Analytical - Alaska

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-01 Water MW-1 Sampled: 09/30/05 12:00										
Diesel Range Organics	AK 102	ND	-----	0.394	mg/l	1x	5100025	10/07/05	10/10/05 19:53	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 81.3%</i>		<i>Limits: 50 - 150 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
A5J0005-02 Water MW-4 Sampled: 09/30/05 12:35										
Diesel Range Organics	AK 102	1.11	-----	0.407	mg/l	1x	5100037	10/10/05	10/10/05 16:44	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 86.0%</i>		<i>Limits: 50 - 150 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
A5J0005-03 Water MW-5 Sampled: 09/30/05 12:20										
Diesel Range Organics	AK 102	ND	-----	0.391	mg/l	1x	5100025	10/07/05	10/10/05 20:35	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 81.9%</i>		<i>Limits: 50 - 150 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
A5J0005-05 Water SEEP-1 Sampled: 09/30/05 12:50										
Diesel Range Organics	AK 102	ND	-----	0.400	mg/l	1x	5100037	10/10/05	10/10/05 17:17	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 103%</i>		<i>Limits: 50 - 150 %</i>		<i>"</i>		<i>"</i>		<i>"</i>
A5J0005-06 Water SEEP-2 Sampled: 09/30/05 13:10										
Diesel Range Organics	AK 102	ND	-----	0.397	mg/l	1x	5100037	10/10/05	10/10/05 17:50	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 92.4%</i>		<i>Limits: 50 - 150 %</i>		<i>"</i>		<i>"</i>		<i>"</i>

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO
 North Creek Analytical - Alaska

Analyte	Method	Result	MDL ^Δ	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-04	Water	MW-6	Sampled: 09/30/05 12:05							
Diesel Range Organics	AK102/103	0.521	----	0.400	mg/l	1x	5100014	10/04/05	10/11/05 04:06	
Residual Range Organics	"	ND	----	0.400	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 83.7%		Limits: 50 - 150 %		"				"
	Triacotane	89.7%		50 - 150 %		"				"
A5J0005-07	Water	MW-6-WD	Sampled: 09/30/05 12:05							
Diesel Range Organics	AK102/103	0.577	----	0.400	mg/l	1x	5100014	10/04/05	10/11/05 04:06	
Residual Range Organics	"	ND	----	0.400	"	"	"	"	"	
Surrogate(s):	1-Chlorooctadecane	Recovery: 79.1%		Limits: 50 - 150 %		"				"
	Triacotane	84.4%		50 - 150 %		"				"

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste. 100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Semivolatile Organic Compounds by EPA Method 8270C

North Creek Analytical - Bothell

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-04	Water	MW-6	Sampled: 09/30/05 12:05							
Acenaphthene	EPA 8270C	ND	----	10.0	ug/l	1x	5J06003	10/06/05	10/14/05 20:05	
Acenaphthylene	"	ND	----	10.0	"	"	"	"	"	"
Aniline	"	ND	----	10.0	"	"	"	"	"	"
Anthracene	"	ND	----	10.0	"	"	"	"	"	"
Benzo (a) anthracene	"	ND	----	10.0	"	"	"	"	"	"
Benzo (a) pyrene	"	ND	----	10.0	"	"	"	"	"	"
Benzo (b) fluoranthene	"	ND	----	10.0	"	"	"	"	"	"
Benzo (k) fluoranthene	"	ND	----	10.0	"	"	"	"	"	"
Benzo (ghi) perylene	"	ND	----	10.0	"	"	"	"	"	"
Benzoic Acid	"	ND	----	20.0	"	"	"	"	"	"
Benzyl alcohol	"	ND	----	10.0	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	"	ND	----	10.0	"	"	"	"	"	"
Bis(2-chloroethyl)ether	"	ND	----	10.0	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	"	ND	----	10.0	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	"	ND	----	50.0	"	"	"	"	"	"
4-Bromophenyl phenyl ether	"	ND	----	10.0	"	"	"	"	"	"
Butyl benzyl phthalate	"	ND	----	10.0	"	"	"	"	"	"
Carbazole	"	ND	----	10.0	"	"	"	"	"	"
4-Chloroaniline	"	ND	----	10.0	"	"	"	"	"	"
4-Chloro-3-methylphenol	"	ND	----	10.0	"	"	"	"	"	"
2-Chloronaphthalene	"	ND	----	10.0	"	"	"	"	"	"
2-Chlorophenol	"	ND	----	10.0	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	"	ND	----	10.0	"	"	"	"	"	"
3 & 4-Methylphenol	"	ND	----	10.0	"	"	"	"	"	"
2-Methylphenol	"	ND	----	10.0	"	"	"	"	"	"
Chrysene	"	ND	----	10.0	"	"	"	"	"	"
Di-n-butyl phthalate	"	ND	----	10.0	"	"	"	"	"	"
Dibenz (a,h) anthracene	"	ND	----	10.0	"	"	"	"	"	"
Dibenzofuran	"	ND	----	10.0	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	10.0	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	10.0	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	10.0	"	"	"	"	"	"
3,3'-Dichlorobenzidine	"	ND	----	10.0	"	"	"	"	"	"
2,4-Dichlorophenol	"	ND	----	10.0	"	"	"	"	"	"
Diethyl phthalate	"	ND	----	10.0	"	"	"	"	"	"
2,4-Dimethylphenol	"	ND	----	10.0	"	"	"	"	"	"
Dimethyl phthalate	"	ND	----	10.0	"	"	"	"	"	"
4,6-Dinitro-2-methylphenol	"	ND	----	10.0	"	"	"	"	"	"
2,4-Dinitrophenol	"	ND	----	20.0	"	"	"	"	"	"
2,4-Dinitrotoluene	"	ND	----	10.0	"	"	"	"	"	"
2,6-Dinitrotoluene	"	ND	----	10.0	"	"	"	"	"	"
N-Nitrosodiphenylamine	"	ND	----	10.0	"	"	"	"	"	"

North Creek Analytical - Alaska

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Stephen Wilson, Laboratory Manager

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Semivolatile Organic Compounds by EPA Method 8270C
 North Creek Analytical - Bothell

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-04	Water	MW-6	Sampled: 09/30/05 12:05							
Fluoranthene	EPA 8270C	ND	----	10.0	ug/l	1x	5J06003	10/06/05	10/14/05 20:05	
Fluorene	"	ND	----	10.0	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	10.0	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	10.0	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	10.0	"	"	"	"	"	
Hexachloroethane	"	ND	----	10.0	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	10.0	"	"	"	"	"	
Isophorone	"	ND	----	10.0	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	10.0	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	10.0	"	"	"	"	"	
Naphthalene	"	ND	----	10.0	"	"	"	"	"	
2-Nitroaniline	"	ND	----	10.0	"	"	"	"	"	
3-Nitroaniline	"	ND	----	10.0	"	"	"	"	"	
4-Nitroaniline	"	ND	----	10.0	"	"	"	"	"	
Nitrobenzene	"	ND	----	10.0	"	"	"	"	"	
2-Nitrophenol	"	ND	----	10.0	"	"	"	"	"	
4-Nitrophenol	"	ND	----	10.0	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	10.0	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	10.0	"	"	"	"	"	
Pentachlorophenol	"	ND	----	10.0	"	"	"	"	"	X
Phenanthrene	"	ND	----	10.0	"	"	"	"	"	
Phenol	"	ND	----	10.0	"	"	"	"	"	
Pyrene	"	ND	----	10.0	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	10.0	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	10.0	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	10.0	"	"	"	"	"	

Surrogate(s):	2-FBP	Recovery: 79.0%	Limits: 41 - 129 %	"	"
	2-FP	76.9%	18 - 124 %	"	"
	Nitrobenzene-d5	94.8%	44 - 124 %	"	"
	Phenol-d6	76.2%	25 - 122 %	"	"
	p-Terphenyl-d14	33.9%	10 - 132 %	"	"
	2,4,6-TBP	92.2%	19 - 132 %	"	"

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SECOR 3017 Kilgore Road, Ste. 100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	<u>Report Created:</u> 10/17/05 16:46
	Project Number:	100-1467	
	Project Manager:	David Weigner	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring
 North Creek Analytical - Bothell

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-02	Water	MW-4	Sampled: 09/30/05 12:35							
Acenaphthene	8270C-SIM	1.07	----	0.100	ug/l	1x	5J06004	10/06/05	10/12/05 23:37	
Acenaphthylene	"	ND	----	0.100	"	"	"	"	"	"
Anthracene	"	ND	----	0.100	"	"	"	"	"	"
Benzo (a) anthracene	"	ND	----	0.100	"	"	"	"	"	"
Benzo (a) pyrene	"	ND	----	0.100	"	"	"	"	"	"
Benzo (b) fluoranthene	"	ND	----	0.100	"	"	"	"	"	"
Benzo (k) fluoranthene	"	ND	----	0.100	"	"	"	"	"	"
Benzo (b & k) fluoranthene	"	ND	----	0.200	"	"	"	"	"	"
Benzo (ghi) perylene	"	ND	----	0.100	"	"	"	"	"	"
Chrysene	"	ND	----	0.100	"	"	"	"	"	"
Dibenz (a,h) anthracene	"	ND	----	0.100	"	"	"	"	"	"
Fluoranthene	"	ND	----	0.100	"	"	"	"	"	"
Fluorene	"	0.439	----	0.100	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	"	ND	----	0.100	"	"	"	"	"	"
1-Methylnaphthalene	"	0.247	----	0.100	"	"	"	"	"	"
2-Methylnaphthalene	"	ND	----	0.100	"	"	"	"	"	"
Naphthalene	"	0.163	----	0.100	"	"	"	"	"	"
Phenanthrene	"	0.101	----	0.100	"	"	"	"	"	"
Pyrene	"	ND	----	0.100	"	"	"	"	"	"
Surrogate(s): p-Terphenyl-d14		Recovery: 35.1%		Limits: 20 - 127 %		"		"		"

North Creek Analytical - Alaska

 Stephen Wilson, Laboratory Manager

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring
 North Creek Analytical - Bothell

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-03	Water	MW-5								
										Sampled: 09/30/05 12:20
Acenaphthene	8270C-SIM	ND	----	0.100	ug/l	1x	5J06004	10/06/05	10/13/05 00:03	
Acenaphthylene	"	ND	----	0.100	"	"	"	"	"	
Anthracene	"	ND	----	0.100	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	0.100	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	0.100	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	0.100	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	0.100	"	"	"	"	"	
Benzo (b & k) fluoranthene	"	ND	----	0.200	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	0.100	"	"	"	"	"	
Chrysene	"	ND	----	0.100	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	----	0.100	"	"	"	"	"	
Fluoranthene	"	ND	----	0.100	"	"	"	"	"	
Fluorene	"	ND	----	0.100	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	0.100	"	"	"	"	"	
1-Methylnaphthalene	"	ND	----	0.100	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	0.100	"	"	"	"	"	
Naphthalene	"	ND	----	0.100	"	"	"	"	"	
Phenanthrene	"	0.102	----	0.100	"	"	"	"	"	
Pyrene	"	ND	----	0.100	"	"	"	"	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 45.3%

Limits: 20 - 127 %

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Volatile Organic Compounds by EPA Method 8260B
 North Creek Analytical - Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-04	Water	MW-6	Sampled: 09/30/05 12:05							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5100091	10/13/05	10/13/05 18:46	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
2-Butanone	"	ND	----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	----	1.00	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	----	1.00	"	"	"	"	"	
Chloroform	"	ND	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	1.00	"	"	"	"	"	
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	----	1.00	"	"	"	"	"	

North Creek Analytical - Alaska

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Stephen Wilson, Laboratory Manager

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste.100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Volatile Organic Compounds by EPA Method 8260B

North Creek Analytical - Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-04	Water	MW-6	Sampled: 09/30/05 12:05							
p-Isopropyltoluene	EPA 8260B	ND	----	1.00	ug/l	1x	5100091	10/13/05	10/13/05 18:46	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	"
4-Methyl-2-pentanone	"	ND	----	10.0	"	"	"	"	"	"
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	"
Naphthalene	"	ND	----	2.00	"	"	"	"	"	"
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Styrene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	"
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	"
Toluene	"	83.4	----	10.0	"	10x	"	"	10/14/05 10:24	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	1x	"	"	10/13/05 18:46	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	"
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	"
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Vinyl chloride	"	ND	----	0.200	"	"	"	"	"	"
o-Xylene	"	ND	----	1.00	"	"	"	"	"	"
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	"
<i>Surrogate(s):</i>	<i>Dibromofluoromethane</i>	<i>Recovery: 107%</i>		<i>Limits: 62.9 - 131 %</i>						
	<i>Toluene-d8</i>	<i>119%</i>		<i>58.7 - 133 %</i>						
	<i>4-bromofluorobenzene</i>	<i>120%</i>		<i>60.8 - 140 %</i>						

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste.100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Volatile Organic Compounds by EPA Method 8260B
 North Creek Analytical - Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-07	Water	MW-6-WD	Sampled: 09/30/05 12:05							
Acetone	EPA 8260B	ND	----	25.0	ug/l	1x	5100091	10/13/05	10/13/05 19:16	
Benzene	"	ND	----	1.00	"	"	"	"	"	"
Bromobenzene	"	ND	----	1.00	"	"	"	"	"	"
Bromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	"
Bromoform	"	ND	----	1.00	"	"	"	"	"	"
Bromomethane	"	ND	----	5.00	"	"	"	"	"	"
2-Butanone	"	ND	----	10.0	"	"	"	"	"	"
n-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
sec-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
tert-Butylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Carbon disulfide	"	ND	----	1.00	"	"	"	"	"	"
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	"
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Chloroethane	"	ND	----	1.00	"	"	"	"	"	"
Chloroform	"	ND	----	1.00	"	"	"	"	"	"
Chloromethane	"	ND	----	5.00	"	"	"	"	"	"
2-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
4-Chlorotoluene	"	ND	----	1.00	"	"	"	"	"	"
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	"	ND	----	5.00	"	"	"	"	"	"
1,2-Dibromoethane	"	ND	----	1.00	"	"	"	"	"	"
Dibromomethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	"
Dichlorodifluoromethane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloroethane (EDC)	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	"
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,3-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
2,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	"
1,1-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	"
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	"
Hexachlorobutadiene	"	ND	----	1.00	"	"	"	"	"	"
2-Hexanone	"	ND	----	10.0	"	"	"	"	"	"
Isopropylbenzene	"	ND	----	1.00	"	"	"	"	"	"

North Creek Analytical - Alaska

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SECOR 3017 Kilgore Road, Ste.100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	
	Project Number:	100-1467	Report Created:
	Project Manager:	David Weigner	10/17/05 16:46

Volatile Organic Compounds by EPA Method 8260B
 North Creek Analytical - Spokane

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
A5J0005-07	Water	MW-6-WD	Sampled: 09/30/05 12:05							
p-Isopropyltoluene	EPA 8260B	ND	----	1.00	ug/l	1x	5100091	10/13/05	10/13/05 19:16	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	----	10.0	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	----	1.00	"	"	"	"	"	
Naphthalene	"	ND	----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	----	1.00	"	"	"	"	"	
Styrene	"	ND	----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	84.2	----	10.0	"	10x	"	"	10/14/05 10:52	
1,2,3-Trichlorobenzene	"	ND	----	1.00	"	1x	"	"	10/13/05 19:16	
1,2,4-Trichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	0.200	"	"	"	"	"	
o-Xylene	"	ND	----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	----	2.00	"	"	"	"	"	
Surrogate(s):	Dibromofluoromethane	Recovery: 114%		Limits: 62.9 - 131 %	"				"	
	Toluene-d8	117%		58.7 - 133 %	"				"	
	4-bromofluorobenzene	119%		60.8 - 140 %	"				"	

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste.100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 North Creek Analytical - Alaska

QC Batch: 5100028 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
Blank (5100028-BLK1)													Extracted: 10/07/05 11:38			
Gasoline Range Organics	AK101 GRO/BTEX	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	10/07/05 13:25			
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"			
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"			
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"			
Xylenes (total)	"	ND	---	1.50	"	"	--	--	--	--	--	--	"			
Surrogate(s): a,a,a-TFT (FID)		Recovery:	88.4%	Limits:	50-150%	"							10/07/05 13:25			
a,a,a-TFT (PID)		Recovery:	82.3%	Limits:	72.5-131%	"							"			
LCS (5100028-BS1)													Extracted: 10/07/05 11:38			
Benzene	AK101 GRO/BTEX	18.1	---	0.500	ug/l	1x	--	20.0	90.5%	(77.3-136)	--	--	10/07/05 12:20			
Toluene	"	19.1	---	0.500	"	"	--	"	95.5%	(83.9-121)	--	--	"			
Ethylbenzene	"	19.3	---	0.500	"	"	--	"	96.5%	(77.7-125)	--	--	"			
Xylenes (total)	"	61.5	---	1.50	"	"	--	60.0	102%	(86-122)	--	--	"			
Surrogate(s): a,a,a-TFT (PID)		Recovery:	98.8%	Limits:	72.5-131%	"							10/07/05 12:20			
LCS (5100028-BS2)													Extracted: 10/07/05 11:38			
Gasoline Range Organics	AK101 GRO/BTEX	522	---	50.0	ug/l	1x	--	550	94.9%	(60-120)	--	--	10/07/05 12:53			
Surrogate(s): a,a,a-TFT (FID)		Recovery:	89.9%	Limits:	50-150%	"							10/07/05 12:53			
LCS Dup (5100028-BSD1)													Extracted: 10/07/05 11:38			
Benzene	AK101 GRO/BTEX	19.1	---	0.500	ug/l	1x	--	20.0	95.5%	(77.3-136)	5.38%	(16.9)	10/07/05 19:47			
Toluene	"	19.4	---	0.500	"	"	--	"	97.0%	(83.9-121)	1.56%	(12.5)	"			
Ethylbenzene	"	19.4	---	0.500	"	"	--	"	97.0%	(77.7-125)	0.517%	(11.8)	"			
Xylenes (total)	"	61.5	---	1.50	"	"	--	60.0	102%	(86-122)	0.00%	(10.6)	"			
Surrogate(s): a,a,a-TFT (PID)		Recovery:	88.8%	Limits:	72.5-131%	"							10/07/05 19:47			
LCS Dup (5100028-BSD2)													Extracted: 10/07/05 11:38			
Gasoline Range Organics	AK101 GRO/BTEX	536	---	50.0	ug/l	1x	--	550	97.5%	(60-120)	2.65%	(20)	10/07/05 20:20			
Surrogate(s): a,a,a-TFT (FID)		Recovery:	84.9%	Limits:	50-150%	"							10/07/05 20:20			
Duplicate (5100028-DUP1)													QC Source: ASJ0017-01		Extracted: 10/07/05 11:38	
Gasoline Range Organics	AK101 GRO/BTEX	56.1	---	50.0	ug/l	1x	53.1	--	--	--	5.49%	(50)	10/08/05 00:41			
Surrogate(s): a,a,a-TFT (FID)		Recovery:	86.5%	Limits:	50-150%	"							10/08/05 00:41			

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste. 100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 North Creek Analytical - Alaska

QC Batch: 5100028 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (5100028-MS1)														
							QC Source: A5J0017-02	Extracted: 10/07/05 11:38						
Benzene	AK101	19.4	---	0.500	ug/l	1x	ND	20.0	97.0%	(62.1-143)	--	--	10/08/05 01:13	
	GRO/BTEX													
Toluene	"	19.6	---	0.500	"	"	ND	"	98.0%	(68.5-133)	--	--	"	
Ethylbenzene	"	19.6	---	0.500	"	"	ND	"	98.0%	(64.5-132)	--	--	"	
Xylenes (total)	"	61.7	---	1.50	"	"	0.254	60.0	102%	(70.2-133)	--	--	"	
Surrogate(s): a,a,a-TFT (PID)		Recovery: 87.7%	Limits: 72.5-131%										10/08/05 01:13	

Matrix Spike (5100028-MS2)														
							QC Source: A5J0017-03	Extracted: 10/07/05 11:38						
Benzene	AK101	19.4	---	0.500	ug/l	1x	0.154	20.0	96.2%	(62.1-143)	--	--	10/08/05 01:46	
	GRO/BTEX													
Toluene	"	20.0	---	0.500	"	"	ND	"	100%	(68.5-133)	--	--	"	
Ethylbenzene	"	20.3	---	0.500	"	"	0.492	"	99.0%	(64.5-132)	--	--	"	
Xylenes (total)	"	62.8	---	1.50	"	"	1.20	60.0	103%	(70.2-133)	--	--	"	
Surrogate(s): a,a,a-TFT (PID)		Recovery: 80.9%	Limits: 72.5-131%										10/08/05 01:46	

QC Batch: 5100029 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5100029-BLK1)														
							Extracted: 10/07/05 11:47							
Gasoline Range Organics	AK101	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	10/08/05 18:45	
	GRO/BTEX													
Benzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	1.50	"	"	--	--	--	--	--	--	"	
Surrogate(s): a,a,a-TFT (PID)		Recovery: 87.0%	Limits: 50-150%										10/08/05 18:45	
a,a,a-TFT (PID)		83.4%	72.5-131%										"	

LCS (5100029-BS1)														
							Extracted: 10/07/05 11:47							
Benzene	AK101	18.3	---	0.500	ug/l	1x	--	20.0	91.5%	(77.3-136)	--	--	10/08/05 10:37	
	GRO/BTEX													
Toluene	"	18.7	---	0.500	"	"	--	"	93.5%	(83.9-121)	--	--	"	
Ethylbenzene	"	18.5	---	0.500	"	"	--	"	92.5%	(77.7-125)	--	--	"	
Xylenes (total)	"	58.9	---	1.50	"	"	--	60.0	98.2%	(86-122)	--	--	"	
Surrogate(s): a,a,a-TFT (PID)		Recovery: 85.2%	Limits: 72.5-131%										10/08/05 10:37	

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
3017 Kilgore Road, Ste.100	Project Number: 100-1467	
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Gasoline Range Organics (C6-C10) and BTEX per AK101 - Laboratory Quality Control Results
 North Creek Analytical - Alaska

QC Batch: 5100029 Water Preparation Method: EPA 5030B

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

LCS (5100029-BS2) Extracted: 10/07/05 11:47

Gasoline Range Organics	AK101 GRO/BTEX	510	---	50.0	ug/l	1x	--	550	92.7%	(60-120)	--	--	10/08/05 11:09	
<i>Surrogate(s): a,a,a-TFT (FID)</i>		<i>Recovery: 87.8%</i>		<i>Limits: 50-150%</i>									<i>10/08/05 11:09</i>	

LCS Dup (5100029-BSD1) Extracted: 10/07/05 11:47

Benzene	AK101 GRO/BTEX	18.6	---	0.500	ug/l	1x	--	20.0	93.0%	(77.3-136)	1.63%	(16.9)	10/08/05 17:40	
Toluene	"	19.0	---	0.500	"	"	--	"	95.0%	(83.9-121)	1.59%	(12.5)	"	
Ethylbenzene	"	19.2	---	0.500	"	"	--	"	96.0%	(77.7-125)	3.71%	(11.8)	"	
Xylenes (total)	"	60.4	---	1.50	"	"	--	60.0	101%	(86-122)	2.51%	(10.6)	"	
<i>Surrogate(s): a,a,a-TFT (PID)</i>		<i>Recovery: 87.2%</i>		<i>Limits: 72.5-131%</i>									<i>10/08/05 17:40</i>	

LCS Dup (5100029-BSD2) Extracted: 10/07/05 11:47

Gasoline Range Organics	AK101 GRO/BTEX	526	---	50.0	ug/l	1x	--	550	95.6%	(60-120)	3.09%	(20)	10/08/05 18:12	
<i>Surrogate(s): a,a,a-TFT (FID)</i>		<i>Recovery: 80.1%</i>		<i>Limits: 50-150%</i>									<i>10/08/05 18:12</i>	

Duplicate (5100029-DUP1) QC Source: A5J0010-11 Extracted: 10/07/05 11:47

Gasoline Range Organics	AK101 GRO/BTEX	ND	---	50.0	ug/l	1x	ND	--	--	--	NR	(50)	10/08/05 19:17	
<i>Surrogate(s): a,a,a-TFT (FID)</i>		<i>Recovery: 88.9%</i>		<i>Limits: 50-150%</i>									<i>10/08/05 19:17</i>	

Matrix Spike (5100029-MS1) QC Source: A5J0010-10 Extracted: 10/07/05 11:47

Benzene	AK101 GRO/BTEX	18.8	---	0.500	ug/l	1x	ND	20.0	94.0%	(62.1-143)	--	--	10/08/05 19:50	
Toluene	"	19.2	---	0.500	"	"	ND	"	96.0%	(68.5-133)	--	--	"	
Ethylbenzene	"	19.4	---	0.500	"	"	ND	"	97.0%	(64.5-132)	--	--	"	
Xylenes (total)	"	61.1	---	1.50	"	"	0.329	60.0	101%	(70.2-133)	--	--	"	
<i>Surrogate(s): a,a,a-TFT (PID)</i>		<i>Recovery: 86.1%</i>		<i>Limits: 72.5-131%</i>									<i>10/08/05 19:50</i>	

Matrix Spike (5100029-MS2) QC Source: A5J0010-09 Extracted: 10/07/05 11:47

Benzene	AK101 GRO/BTEX	18.7	---	0.500	ug/l	1x	ND	20.0	93.5%	(62.1-143)	--	--	10/08/05 20:22	
Toluene	"	19.1	---	0.500	"	"	ND	"	95.5%	(68.5-133)	--	--	"	
Ethylbenzene	"	19.2	---	0.500	"	"	ND	"	96.0%	(64.5-132)	--	--	"	
Xylenes (total)	"	60.9	---	1.50	"	"	0.494	60.0	101%	(70.2-133)	--	--	"	
<i>Surrogate(s): a,a,a-TFT (PID)</i>		<i>Recovery: 79.1%</i>		<i>Limits: 72.5-131%</i>									<i>10/08/05 20:22</i>	

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste. 100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Diesel Range Organics (C10-C25) per AK102 - Laboratory Quality Control Results
North Creek Analytical - Alaska

QC Batch: 5100025	Water Preparation Method: EPA 3510
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
Blank (5100025-BLK1)													Extracted: 10/07/05 07:40			
Diesel Range Organics	AK 102	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	10/12/05 11:11			
Surrogate(s): 1-Chlorooctadecane		Recovery: 79.2%		Limits: 50-150%								10/12/05 11:11				
LCS (5100025-BS1)													Extracted: 10/07/05 07:40			
Diesel Range Organics	AK 102	8.41	---	0.500	mg/l	1x	--	10.1	83.3%	(75-125)	--	--	10/12/05 11:11			
Surrogate(s): 1-Chlorooctadecane		Recovery: 77.7%		Limits: 50-150%								10/12/05 11:11				
LCS Dup (5100025-BSD1)													Extracted: 10/07/05 07:40			
Diesel Range Organics	AK 102	8.61	---	0.500	mg/l	1x	--	10.1	85.2%	(75-125)	2.35%	(20)	10/12/05 11:11			
Surrogate(s): 1-Chlorooctadecane		Recovery: 78.5%		Limits: 50-150%								10/12/05 11:11				
Duplicate (5100025-DUP1)													QC Source: A5J0002-01		Extracted: 10/07/05 07:40	
Diesel Range Organics	AK 102	41.9	---	0.403	mg/l	1x	18.8	--	--	--	76.1%	(50)	10/10/05 12:48	Q-14		
Surrogate(s): 1-Chlorooctadecane		Recovery: 89.1%		Limits: 50-150%								10/10/05 12:48				

QC Batch: 5100037	Water Preparation Method: EPA 3510
--------------------------	---

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes		
Blank (5100037-BLK1)													Extracted: 10/10/05 10:54			
Diesel Range Organics	AK 102	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	10/10/05 21:04			
Surrogate(s): 1-Chlorooctadecane		Recovery: 93.1%		Limits: 50-150%								10/10/05 21:04				
LCS (5100037-BS1)													Extracted: 10/10/05 10:54			
Diesel Range Organics	AK 102	10.3	---	0.500	mg/l	1x	--	10.1	102%	(75-125)	--	--	10/10/05 21:37			
Surrogate(s): 1-Chlorooctadecane		Recovery: 92.3%		Limits: 50-150%								10/10/05 21:37				
LCS Dup (5100037-BSD1)													Extracted: 10/10/05 10:54			
Diesel Range Organics	AK 102	9.84	---	0.500	mg/l	1x	--	10.1	97.4%	(75-125)	4.57%	(20)	10/10/05 22:42			
Surrogate(s): 1-Chlorooctadecane		Recovery: 86.2%		Limits: 50-150%								10/10/05 22:42				
Duplicate (5100037-DUP1)													QC Source: A5J0005-02		Extracted: 10/10/05 10:54	
Diesel Range Organics	AK 102	1.07	---	0.417	mg/l	1x	1.11	--	--	--	3.67%	(50)	10/10/05 23:14			
Surrogate(s): 1-Chlorooctadecane		Recovery: 106%		Limits: 50-150%								10/10/05 23:14				

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SECOR 3017 Kilgore Road, Ste. 100 Rancho Cordova, CA/USA 95670	Project Name:	Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
	Project Number:	100-1467	
	Project Manager:	David Weigner	

Diesel Range Organics (C10-C25) and Residual Range Organics (C25-C36) per AK102/RRO - Laboratory Quality Control Results
 North Creek Analytical - Alaska

QC Batch: 5100014 Water Preparation Method: EPA 3510

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5100014-BLK1)										Extracted: 10/04/05 13:30				
Diesel Range Organics	AK102/103	ND	---	0.500	mg/l	1x	--	--	--	--	--	--	10/10/05 21:16	
Residual Range Organics	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 83.1%</i>		<i>Limits: 50-150%</i>								<i>10/10/05 21:16</i>		
<i>Triacontane</i>		<i>88.6%</i>		<i>50-150%</i>								<i>"</i>		
LCS (5100014-BS1)										Extracted: 10/04/05 13:30				
Diesel Range Organics	AK102/103	8.97	---	0.500	mg/l	1x	--	10.1	88.8%	(75-125)	--	--	10/10/05 21:58	
Residual Range Organics	"	8.29	---	0.500	"	"	--	10.0	82.9%	(60-120)	--	--	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 85.4%</i>		<i>Limits: 50-150%</i>								<i>10/10/05 21:58</i>		
<i>Triacontane</i>		<i>86.9%</i>		<i>50-150%</i>								<i>"</i>		
LCS Dup (5100014-BS1)										Extracted: 10/04/05 13:30				
Diesel Range Organics	AK102/103	9.07	---	0.500	mg/l	1x	--	10.1	89.8%	(75-125)	1.11%	(20)	10/10/05 22:39	
Residual Range Organics	"	8.55	---	0.500	"	"	--	10.0	85.5%	(60-120)	3.09%	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 80.0%</i>		<i>Limits: 50-150%</i>								<i>10/10/05 22:39</i>		
<i>Triacontane</i>		<i>89.1%</i>		<i>50-150%</i>								<i>"</i>		
Duplicate (5100014-DUP1)										QC Source: A5J0003-02 Extracted: 10/04/05 13:30				
Diesel Range Organics	AK102/103	0.926	---	0.391	mg/l	1x	0.885	--	--	--	4.53%	(50)	10/10/05 21:58	
Residual Range Organics	"	ND	---	0.391	"	"	ND	--	--	--	NR	"	"	
<i>Surrogate(s): 1-Chlorooctadecane</i>		<i>Recovery: 83.6%</i>		<i>Limits: 50-150%</i>								<i>10/10/05 21:58</i>		
<i>Triacontane</i>		<i>89.2%</i>		<i>50-150%</i>								<i>"</i>		

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results
 North Creek Analytical - Bothell

QC Batch: 5J06003 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5J06003-BLK1)													Extracted: 10/06/05 07:45	
Acenaphthene	EPA 8270C	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	10/14/05 16:02	
Acenaphthylene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Aniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbazole	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
3 & 4-Methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
3,3'-Dichlorobenzidine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrotoluene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,6-Dinitrotoluene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	

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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste. 100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results
 North Creek Analytical - Bothell

QC Batch: 5J06003 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Blank (5J06003-BLK1)													Extracted: 10/06/05 07:45	
N-Nitrosodiphenylamine	EPA 8270C	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	10/14/05 16:02	
Fluoranthene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	

Surrogate(s):	Recovery:	Limits:	
2-FBP	87.2%	41-129%	"
2-FP	76.1%	18-124%	"
Nitrobenzene-d5	99.6%	44-124%	"
Phenol-d6	77.9%	25-122%	"
p-Terphenyl-d14	93.8%	10-132%	"
2,4,6-TBP	76.7%	19-132%	"

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SECOR	Project Name: Delta Western/Former Chevron Terminal	Report Created:
3017 Kilgore Road, Ste.100	Project Number: 100-1467	10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results
 North Creek Analytical - Bothell

QC Batch: 5J06003 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5J06003-BLK2)													Extracted: 10/06/05 07:45	
Acenaphthene	EPA 8270C	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	10/14/05 16:34	
Acenaphthylene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Aniline	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Anthracene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Benzo (a) anthracene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Benzo (a) pyrene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Benzo (b) fluoranthene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Benzo (k) fluoranthene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Benzo (ghi) perylene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Benzoic Acid	"	ND	---	100	"	"	--	--	--	--	--	--		
Benzyl alcohol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Bis(2-chloroethoxy)methane	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Bis(2-chloroethyl)ether	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Bis(2-chloroisopropyl)ether	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Bis(2-ethylhexyl)phthalate	"	ND	---	250	"	"	--	--	--	--	--	--		
4-Bromophenyl phenyl ether	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Butyl benzyl phthalate	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Carbazole	"	ND	---	50.0	"	"	--	--	--	--	--	--		
4-Chloroaniline	"	ND	---	50.0	"	"	--	--	--	--	--	--		
4-Chloro-3-methylphenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2-Chloronaphthalene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2-Chlorophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
4-Chlorophenyl phenyl ether	"	ND	---	50.0	"	"	--	--	--	--	--	--		
3 & 4-Methylphenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2-Methylphenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Chrysene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Di-n-butyl phthalate	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Dibenz (a,h) anthracene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Dibenzofuran	"	ND	---	50.0	"	"	--	--	--	--	--	--		
1,2-Dichlorobenzene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
1,3-Dichlorobenzene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
1,4-Dichlorobenzene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
3,3'-Dichlorobenzidine	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2,4-Dichlorophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Diethyl phthalate	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2,4-Dimethylphenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
Dimethyl phthalate	"	ND	---	50.0	"	"	--	--	--	--	--	--		
4,6-Dinitro-2-methylphenol	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2,4-Dinitrophenol	"	ND	---	100	"	"	--	--	--	--	--	--		
2,4-Dinitrotoluene	"	ND	---	50.0	"	"	--	--	--	--	--	--		
2,6-Dinitrotoluene	"	ND	---	50.0	"	"	--	--	--	--	--	--		

North Creek Analytical - Alaska

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SECOR 3017 Kilgore Road, Ste.100 Rancho Cordova, CA/USA 95670	Project Name: Delta Western/Former Chevron Terminal Project Number: 100-1467 Project Manager: David Weigner	Report Created: 10/17/05 16:46
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Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results
 North Creek Analytical - Bothell

QC Batch: 5J06003 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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Blank (5J06003-BLK2)														Extracted: 10/06/05 07:45
N-Nitrosodiphenylamine	EPA 8270C	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	10/14/05 16:34	
Fluoranthene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
4-Nitroaniline	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	

Surrogate(s):	2-FBP	Recovery:	90.0%	Limits:	41-129%	"	10/14/05 16:34
	2-FP		73.8%		18-124%	"	"
	Nitrobenzene-d5		98.8%		44-124%	"	"
	Phenol-d6		79.6%		25-122%	"	"
	p-Terphenyl-d14		96.0%		10-132%	"	"
	2,4,6-TBP		93.2%		19-132%	"	"

North Creek Analytical - Alaska

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SECOR 3017 Kilgore Road, Ste.100 Rancho Cordova, CA/USA 95670	Project Name: Delta Western/Former Chevron Terminal Project Number: 100-1467 Project Manager: David Weigner	Report Created: 10/17/05 16:46
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Semivolatile Organic Compounds by EPA Method 8270C - Laboratory Quality Control Results
 North Creek Analytical - Bothell

QC Batch: 5J06003 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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LCS (5J06003-BS1)														
										Extracted: 10/06/05 07:45				
Acenaphthene	EPA 8270C	88.4	---	10.0	ug/l	1x	--	100	88.4%	(66-119)	--	--	10/14/05 17:55	
4-Chloro-3-methylphenol	"	92.4	---	10.0	"	"	--	"	92.4%	(48-132)	--	--	"	
2-Chlorophenol	"	84.8	---	10.0	"	"	--	"	84.8%	(23-134)	--	--	"	
1,4-Dichlorobenzene	"	82.5	---	10.0	"	"	--	"	82.5%	(43-122)	--	--	"	
2,4-Dinitrotoluene	"	101	---	10.0	"	"	--	"	101%	(67-129)	--	--	"	
4-Nitrophenol	"	104	---	10.0	"	"	--	"	104%	(12-153)	--	--	"	
N-Nitrosodi-n-propylamine	"	83.6	---	10.0	"	"	--	"	83.6%	(41-141)	--	--	"	
Pentachlorophenol	"	127	---	10.0	"	"	--	"	127%	(34-130)	--	--	"	
Phenol	"	78.0	---	10.0	"	"	--	"	78.0%	(20-124)	--	--	"	
Pyrene	"	92.9	---	10.0	"	"	--	"	92.9%	(59-134)	--	--	"	
1,2,4-Trichlorobenzene	"	83.2	---	10.0	"	"	--	"	83.2%	(52-120)	--	--	"	

Surrogate(s)	2-FBP	Recovery:	87.6%	Limits:	41-129%	"	10/14/05 17:55
2-FP		76.9%		18-124%	"	"	
Nitrobenzene-d5		84.2%		44-124%	"	"	
Phenol-d6		81.3%		25-122%	"	"	
p-Terphenyl-d14		91.8%		10-132%	"	"	
2,4,6-TBP		96.7%		19-132%	"	"	

LCS Dup (5J06003-BSD1)														
										Extracted: 10/06/05 07:45				
Acenaphthene	EPA 8270C	89.8	---	10.0	ug/l	1x	--	100	89.8%	(66-119)	1.57%	(49)	10/14/05 18:27	
4-Chloro-3-methylphenol	"	91.4	---	10.0	"	"	--	"	91.4%	(48-132)	1.09%	"	"	
2-Chlorophenol	"	80.5	---	10.0	"	"	--	"	80.5%	(23-134)	5.20%	(61)	"	
1,4-Dichlorobenzene	"	83.3	---	10.0	"	"	--	"	83.3%	(43-122)	0.965%	(26)	"	
2,4-Dinitrotoluene	"	103	---	10.0	"	"	--	"	103%	(67-129)	1.96%	(29)	"	
4-Nitrophenol	"	106	---	10.0	"	"	--	"	106%	(12-153)	1.90%	(37)	"	
N-Nitrosodi-n-propylamine	"	87.6	---	10.0	"	"	--	"	87.6%	(41-141)	4.67%	(36)	"	
Pentachlorophenol	"	131	---	10.0	"	"	--	"	131%	(34-130)	3.10%	(32)	"	X
Phenol	"	71.8	---	10.0	"	"	--	"	71.8%	(20-124)	8.28%	(53)	"	
Pyrene	"	93.5	---	10.0	"	"	--	"	93.5%	(59-134)	0.644%	(50)	"	
1,2,4-Trichlorobenzene	"	84.4	---	10.0	"	"	--	"	84.4%	(52-120)	1.43%	(25)	"	

Surrogate(s)	2-FBP	Recovery:	88.2%	Limits:	41-129%	"	10/14/05 18:27
2-FP		67.4%		18-124%	"	"	
Nitrobenzene-d5		85.8%		44-124%	"	"	
Phenol-d6		73.0%		25-122%	"	"	
p-Terphenyl-d14		91.0%		10-132%	"	"	
2,4,6-TBP		96.8%		19-132%	"	"	

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results
 North Creek Analytical - Bothell

QC Batch: 5J06004 Water Preparation Method: EPA 3520C

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5J06004-BLK2)														
										Extracted: 10/06/05 07:44				
Acenaphthene	8270C-SIM	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	10/12/05 22:17	
Acenaphthylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Benzo (b & k) fluoranthene	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dibenz (a,h) anthracene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
1-Methylnaphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
<i>Surrogate(s): p-Terphenyl-d14</i>		<i>Recovery: 109%</i>	<i>Limits: 20-127%</i>		<i>"</i>							<i>10/12/05 22:17</i>		

LCS (5J06004-BS2)														
										Extracted: 10/06/05 07:44				
Acenaphthene	8270C-SIM	17.0	---	0.100	ug/l	1x	--	20.0	85.0%	(34-120)	--	--	10/12/05 22:43	
Acenaphthylene	"	20.0	---	0.100	"	"	--	"	100%	(36-120)	--	--	"	
Anthracene	"	23.6	---	0.100	"	"	--	"	118%	(35-138)	--	--	"	
Benzo (a) anthracene	"	18.5	---	0.100	"	"	--	"	92.5%	(41-121)	--	--	"	
Benzo (a) pyrene	"	20.1	---	0.100	"	"	--	"	100%	(33-125)	--	--	"	
Benzo (b) fluoranthene	"	25.5	---	0.100	"	"	--	"	128%	(35-133)	--	--	"	
Benzo (k) fluoranthene	"	16.5	---	0.100	"	"	--	"	82.5%	(28-127)	--	--	"	
Benzo (b & k) fluoranthene	"	41.5	---	0.200	"	"	--	40.0	104%	(35-133)	--	--	"	
Benzo (ghi) perylene	"	18.2	---	0.100	"	"	--	20.0	91.0%	(25-121)	--	--	"	
Chrysene	"	19.7	---	0.100	"	"	--	"	98.5%	(41-120)	--	--	"	
Dibenz (a,h) anthracene	"	19.4	---	0.100	"	"	--	"	97.0%	(24-120)	--	--	"	
Fluoranthene	"	21.8	---	0.100	"	"	--	"	109%	(33-137)	--	--	"	
Fluorene	"	20.0	---	0.100	"	"	--	"	100%	(42-120)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	19.2	---	0.100	"	"	--	"	96.0%	(26-122)	--	--	"	
1-Methylnaphthalene	"	19.0	---	0.100	"	"	--	"	95.0%	(41-120)	--	--	"	
2-Methylnaphthalene	"	17.4	---	0.100	"	"	--	"	87.0%	(42-120)	--	--	"	
Naphthalene	"	17.4	---	0.100	"	"	--	"	87.0%	(38-120)	--	--	"	
Phenanthrene	"	18.9	---	0.100	"	"	--	"	94.5%	(31-127)	--	--	"	
Pyrene	"	20.5	---	0.100	"	"	--	"	102%	(42-125)	--	--	"	

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal	Report Created: 10/17/05 16:46
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Laboratory Quality Control Results

North Creek Analytical - Bothell

QC Batch: 5J06004	Water Preparation Method: EPA 3520C
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
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LCS (5J06004-BS2)

Extracted: 10/06/05 07:44

Surrogate(s): p-Terphenyl-d14

Recovery: 90.4%

Limits: 20-127% 1x

10/12/05 22:43

LCS Dup (5J06004-BSD2)

Extracted: 10/06/05 07:44

Acenaphthene	8270C-SIM	18.8	---	0.100	ug/l	1x	--	20.0	94.0%	(34-120)	10.1%	(30)	10/12/05 23:10	
Acenaphthylene	"	21.8	---	0.100	"	"	--	"	109%	(36-120)	8.61%	"	"	
Anthracene	"	24.9	---	0.100	"	"	--	"	124%	(35-138)	5.36%	"	"	
Benzo (a) anthracene	"	19.9	---	0.100	"	"	--	"	99.5%	(41-121)	7.29%	"	"	
Benzo (a) pyrene	"	21.3	---	0.100	"	"	--	"	106%	(33-125)	5.80%	"	"	
Benzo (b) fluoranthene	"	24.9	---	0.100	"	"	--	"	124%	(35-133)	2.38%	"	"	
Benzo (k) fluoranthene	"	19.6	---	0.100	"	"	--	"	98.0%	(28-127)	17.2%	"	"	
Benzo (b & k) fluoranthene	"	43.7	---	0.200	"	"	--	40.0	109%	(35-133)	5.16%	"	"	
Benzo (ghi) perylene	"	19.9	---	0.100	"	"	--	20.0	99.5%	(25-121)	8.92%	"	"	
Chrysene	"	21.4	---	0.100	"	"	--	"	107%	(41-120)	8.27%	"	"	
Dibenz (a,h) anthracene	"	20.7	---	0.100	"	"	--	"	104%	(24-120)	6.48%	"	"	
Fluoranthene	"	22.5	---	0.100	"	"	--	"	112%	(33-137)	3.16%	"	"	
Fluorene	"	21.9	---	0.100	"	"	--	"	110%	(42-120)	9.07%	"	"	
Indeno (1,2,3-cd) pyrene	"	20.5	---	0.100	"	"	--	"	102%	(26-122)	6.55%	"	"	
1-Methylnaphthalene	"	20.6	---	0.100	"	"	--	"	103%	(41-120)	8.08%	"	"	
2-Methylnaphthalene	"	19.3	---	0.100	"	"	--	"	96.5%	(42-120)	10.4%	"	"	
Naphthalene	"	19.0	---	0.100	"	"	--	"	95.0%	(38-120)	8.79%	"	"	
Phenanthrene	"	19.9	---	0.100	"	"	--	"	99.5%	(31-127)	5.15%	"	"	
Pyrene	"	22.1	---	0.100	"	"	--	"	110%	(42-125)	7.51%	"	"	

Surrogate(s): p-Terphenyl-d14

Recovery: 98.0%

Limits: 20-127% "

10/12/05 23:10

North Creek Analytical - Alaska

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Stephen Wilson, Laboratory Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



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SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste. 100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results
 North Creek Analytical - Spokane

QC Batch: 5100091 Water Preparation Method: GC/MS Volatiles

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5100091-BLK1)										Extracted: 10/13/05 14:26				
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	10/14/05 08:05	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--		
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--		
n-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--		
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--		
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Dichlorodifluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichloroethane (EDC)	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--		
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
Hexachlorobutadiene	"	ND	---	1.00	"	"	--	--	--	--	--	--		
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--		

North Creek Analytical - Alaska

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 phone: (907) 563.9200 fax: (907) 563.9210

SECOR	Project Name: Delta Western/Former Chevron Terminal
3017 Kilgore Road, Ste. 100	Project Number: 100-1467
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner
	Report Created: 10/17/05 16:46

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

North Creek Analytical - Spokane

QC Batch: 5100091	Water Preparation Method: GC/MS Volatiles
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Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (5100091-BLK1)													Extracted: 10/13/05 14:26	
Isopropylbenzene	EPA 8260B	ND	---	1.00	ug/l	1x	--	--	--	--	--	--	10/14/05 08:05	
p-Isopropyltoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	

Surrogate(s):	Dibromofluoromethane	Recovery:	104%	Limits:	62.9-131%	"							10/14/05 08:05
	Toluene-d8		125%		58.7-133%	"							"
	4-bromofluorobenzene		126%		60.8-140%	"							"

LCS (5100091-BS1)													Extracted: 10/13/05 14:26	
Benzene	EPA 8260B	10.6	---	1.00	ug/l	1x	--	10.0	106%	(67.4-116)	--	--	10/13/05 16:20	
Chlorobenzene	"	11.7	---	1.00	"	"	--	"	117%	(68.3-123)	--	--	"	
1,1-Dichloroethene	"	10.5	---	1.00	"	"	--	"	105%	(67-137)	--	--	"	
Toluene	"	12.0	---	1.00	"	"	--	"	120%	(68.8-139)	--	--	"	
Trichloroethene	"	11.0	---	1.00	"	"	--	"	110%	(68.1-128)	--	--	"	

Surrogate(s):	Dibromofluoromethane	Recovery:	122%	Limits:	62.9-131%	"							10/13/05 16:20
	Toluene-d8		117%		58.7-133%	"							"
	4-bromofluorobenzene		112%		60.8-140%	"							"

North Creek Analytical - Alaska

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SECOR	Project Name: Delta Western/Former Chevron Terminal	
3017 Kilgore Road, Ste. 100	Project Number: 100-1467	Report Created: 10/17/05 16:46
Rancho Cordova, CA/USA 95670	Project Manager: David Weigner	

Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

North Creek Analytical - Spokane

QC Batch: 5100091	Water Preparation Method: GC/MS Volatiles
-------------------	---

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
---------	--------	--------	------	-----	-------	-----	---------------	-----------	-------	----------	-------	----------	----------	-------

Matrix Spike (5100091-MS1)

QC Source: S510175-01

Extracted: 10/13/05 14:26

Benzene	EPA 8260B	8.48	---	1.00	ug/l	1x	ND	10.0	84.8%	(59.7-129)	--	--	10/13/05 17:18	
Chlorobenzene	"	9.18	---	1.00	"	"	ND	"	91.8%	(75.8-121)	--	--	"	
1,1-Dichloroethene	"	8.39	---	1.00	"	"	ND	"	83.9%	(63.8-137)	--	--	"	
Toluene	"	9.14	---	1.00	"	"	ND	"	91.4%	(84.5-127)	--	--	"	
Trichloroethene	"	8.69	---	1.00	"	"	ND	"	86.9%	(75.5-129)	--	--	"	
Surrogate(s):	Dibromofluoromethane	Recovery: 107%		Limits: 62.9-131%	"								10/13/05 17:18	
	Toluene-d8	102%		58.7-133%	"								"	
	4-bromofluorobenzene	101%		60.8-140%	"								"	

Matrix Spike Dup (5100091-MSD1)

QC Source: S510175-01

Extracted: 10/13/05 14:26

Benzene	EPA 8260B	8.77	---	1.00	ug/l	1x	ND	10.0	87.7%	(59.7-129)	3.36%	(10)	10/13/05 17:47	
Chlorobenzene	"	9.49	---	1.00	"	"	ND	"	94.9%	(75.8-121)	3.32%	(11)	"	
1,1-Dichloroethene	"	8.52	---	1.00	"	"	ND	"	85.2%	(63.8-137)	1.54%	(14)	"	
Toluene	"	9.73	---	1.00	"	"	ND	"	97.3%	(84.5-127)	6.25%	(12)	"	
Trichloroethene	"	8.75	---	1.00	"	"	ND	"	87.5%	(75.5-129)	0.688%	(10)	"	
Surrogate(s):	Dibromofluoromethane	Recovery: 111%		Limits: 62.9-131%	"								10/13/05 17:47	
	Toluene-d8	102%		58.7-133%	"								"	
	4-bromofluorobenzene	105%		60.8-140%	"								"	

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SECOR 3017 Kilgore Road, Ste.100 Rancho Cordova, CA/USA 95670	Project Name: Delta Western/Former Chevron Terminal Project Number: 100-1467 Project Manager: David Weigner	Report Created: 10/17/05 16:46
--	--	-----------------------------------

Notes and Definitions

Report Specific Notes:

- Q-14 - Visual examination indicates the RPD and/or matrix spike recovery is outside the control limit due to a non-homogeneous sample matrix.
- X - See case narrative.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR / NA - Not Reported / Not Available
- dry - Sample results reported on a dry weight basis. Reporting Limits are corrected for %Solids when %Solids are <50%.
- wet - Sample results and reporting limits reported on a wet weight basis (as received).
- RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

North Creek Analytical - Alaska

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CHAIN OF CUSTODY REPORT

Work Order #:

NCA CLIENT:		INVOICE TO:										TURNAROUND REQUEST in Business Days * Organic & Inorganic Analyses <input type="checkbox"/> 18 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 <small>hrs</small> Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 <small>hrs</small> <input type="checkbox"/> OTHER Specify: _____ <small>* Turnaround Program for these standards may incur Peak Charges.</small>									
REPORT TO: David Weigner ADDRESS: 2017 Kilgore Rd, Ste 100 Rancho Cordova, CA 95670 PHONE: (916) 511-2100 FAX: (916) 511-0430		Stacie Hartung French																			
PROJECT NAME: Delta Western / Former Chevron Dulk Terminal		PRESERVATIVE																			
PROJECT NUMBER: 100-1167		REQUESTED ANALYSES																			
SAMPLED BY: T. Myers / D. McKenna																					
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	SRO	AIK 101	URO	AIK 102	RRO	AIK 103	UTEX	EPA 8021B	PAHs	EPA 8210A	VOCs	EPA 8210	SVOCs	EPA 8210	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID		
1 MW-1	2005, 0930,	X	X					X								W					
2 MW-4	2005, 0930,	X	X					X	X							W					
3 MW-5	2005, 0930,	X	X					X	X							W					
4 MW-6	2005, 0930,	X	X	X	X			X		X	X					W					
5 SEEP-1	2005, 0930,	X	X					X								W					
6 SEEP-2	2005, 0930,	X	X					X								W					
7 MW-6-WD	2005, 0930,	X	X	X	X			X		X	X					W					
8																					
9																					
10																					
RELEASED BY: Ben McKenna		DATE: 9/30/05				RECEIVED BY: Caldon Strout				DATE: 9/30/05											
PRINT NAME: Ben McKenna		FIRM: SECUR				TIME: 1500				PRINT NAME:				FIRM:				TIME:			
RELEASED BY:		DATE:				RECEIVED BY:				DATE:											
PRINT NAME:		FIRM:				TIME:				PRINT NAME:				FIRM:				TIME:			
ADDITIONAL REMARKS:																		TEMP:			
Email Analytical Results to: thebert@secur.com																					



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 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

NCA CLIENT: <u>Chevron Texaco</u> REPORT TO: <u>David Weisner</u> ADDRESS: <u>3017 Kilgore Rd Ste 100 Bonanza Canyon, CA 95670</u> PHONE: <u>(916) 261-0216</u> FAX: <u>(916) 261-0430</u>				INVOICE TO: <u>Stacie Hartung - Frerichs</u> P.O. NUMBER:				TURNAROUND REQUEST <u>Standard</u> in Business Days * Organic & Inorganic Analyses <input type="checkbox"/> 18 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 <small>STD.</small> Petroleum Hydrocarbon Analyses <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1 <small>STD.</small> <input type="checkbox"/> OTHER Specify: _____ <small>* Turnaround Request less than standard may incur Peak Charges.</small>						
PROJECT NAME: <u>Delta Western / Former Chevron Site</u> PROJECT NUMBER: <u>1001467</u> SAMPLED BY: <u>T. Myers & Berna Keenan</u>				PRESERVATIVE										
				REQUESTED ANALYSES										
		GRO (CAL106)	DRO (CAL102)	BTCX (EPA 802 B)	PAHs (EPA 827)	P-RD (AR 103)	VOCs (EPA 224)	SVOCs (EPA 270)			MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	mw-1	X	X	X						3	5			
2	mw-4	X	X	X	X					3	7			
3	mw-5	X	X	X	X					3	7			
4	mw-6	X	X	X		X	X	X		3				
5	Seep-1	X	X	X						3				
6	Seep-2	X	X	X						3				
7	mw-6-WD	X	X	X		X	X	X			4			
8														
9														
10														
RELEASED BY: <u>J. J. MGS</u> DATE: <u>7/3/05</u> PRINT NAME: <u>Tanya Myers</u> FIRM: <u>Secor</u> TIME: <u>1500</u>				RECEIVED BY: _____ DATE: _____ PRINT NAME: _____ FIRM: _____ TIME: _____										
RELEASED BY: _____ DATE: _____ PRINT NAME: _____ FIRM: _____ TIME: _____				RECEIVED BY: _____ DATE: _____ PRINT NAME: _____ FIRM: _____ TIME: _____										
ADDITIONAL REMARKS: <u>email analytical results to: thebert@secor.com @ Secor.com</u> <u>to thebert.</u>											TEMP: _____	PAGE OF _____		