18912 North Creek Parkway, Suite 101, Bothell, Washington 98011
(425) 482-3325 Fax (425) 485-5566

March 15, 2006

Ms. Maura O'Brien
Site Manager
Washington State Department of Ecology
Toxics Cleanup Program
160th Avenue NE
Bellevue, Washington

Re: 2005 Annual Groundwater Monitoring
Former Chevron Service Station No. 9-5439
3876 Bridge Way North
Seattle, Washington

Maura:

SAIC on behalf of Chevron Environmental Management Company (Chevron) performed ground water gauging and sampling at the above referenced site between September 22 and October 27, 2005. During this time period, depth to ground water was measured in all eleven monitoring wells located on the former service station property (currently owned by the Daviscourt's). Due to access and notification issues that arose at the time of gauging, SAIC was unable to collect groundwater samples at the site until October 27, 2005. At that time SAIC purged each well prior to sample collection using a peristaltic pump connected to an in-line water quality flow-through cell. Once ground water quality readings (temperature, pH, specific conductance, dissolved oxygen and turbidity) had stabilized, ground water samples were collected directly from the discharge side of the pump. Each groundwater sample was collected into laboratory supplied pre-preserved containers and place in a pre-cooled ice chest for storage and transport to Lancaster laboratories in Lancaster, PA for analysis. Ground water from each well sampled was submitted for the following analyses:

- Benzene, toluene, ethylbenzene, xylene (BTEX) by EPA method 8021B,
- Total petroleum hydrocarbons (TPH) as gasoline by NWTPH-G,
- TPH as diesel and oil by NWTPH-Dx with silica acid gel cleanup, and
- Naphthalene by EPA method 8270C.

Ground water flow at the site is towards the southeast. A site-wide ground water contour map representing the ground water elevations present at the site between September 22 and 29, 2005 is presented as Figure 1. The site-wide ground water elevations depicted in Figure 1 include data collected during this same time frame by Kane Environmental on behalf of Union View Associates L.L.C. The ground water elevation data collected by SAIC and Kane Environmental has also been summarized in Table 1. Separate phase hydrocarbon (SPH) was detected in seven wells on the Union View property at thicknesses between 0.01 and 1.72 feet. All monitoring wells containing SPH are identified in Figure 1 and are generally located along the west central portion of the Union View property.

Ground water analytical data from wells located on the Daviscourt property were collected by SAIC on October 27, 2005. Ground water data from wells on the Union View property and from wells north and west of the Daviscourt property were collected by Kane Environmental between October 12 and 17, 2005. Ground water analytical results are summarized in Table 2. Copies of the laboratory analytical report and chain-of-custody documentation are presented in Attachment A.

The limited amount of purge water resulting from the groundwater sampling was treated utilizing activated carbon and discharged to the ground surface.

If you have any questions regarding this letter, please contact Tom Dubé (425-482-3325) or Peter Catterall (425-482-3321) in the Bothell SAIC office.

Sincerely,

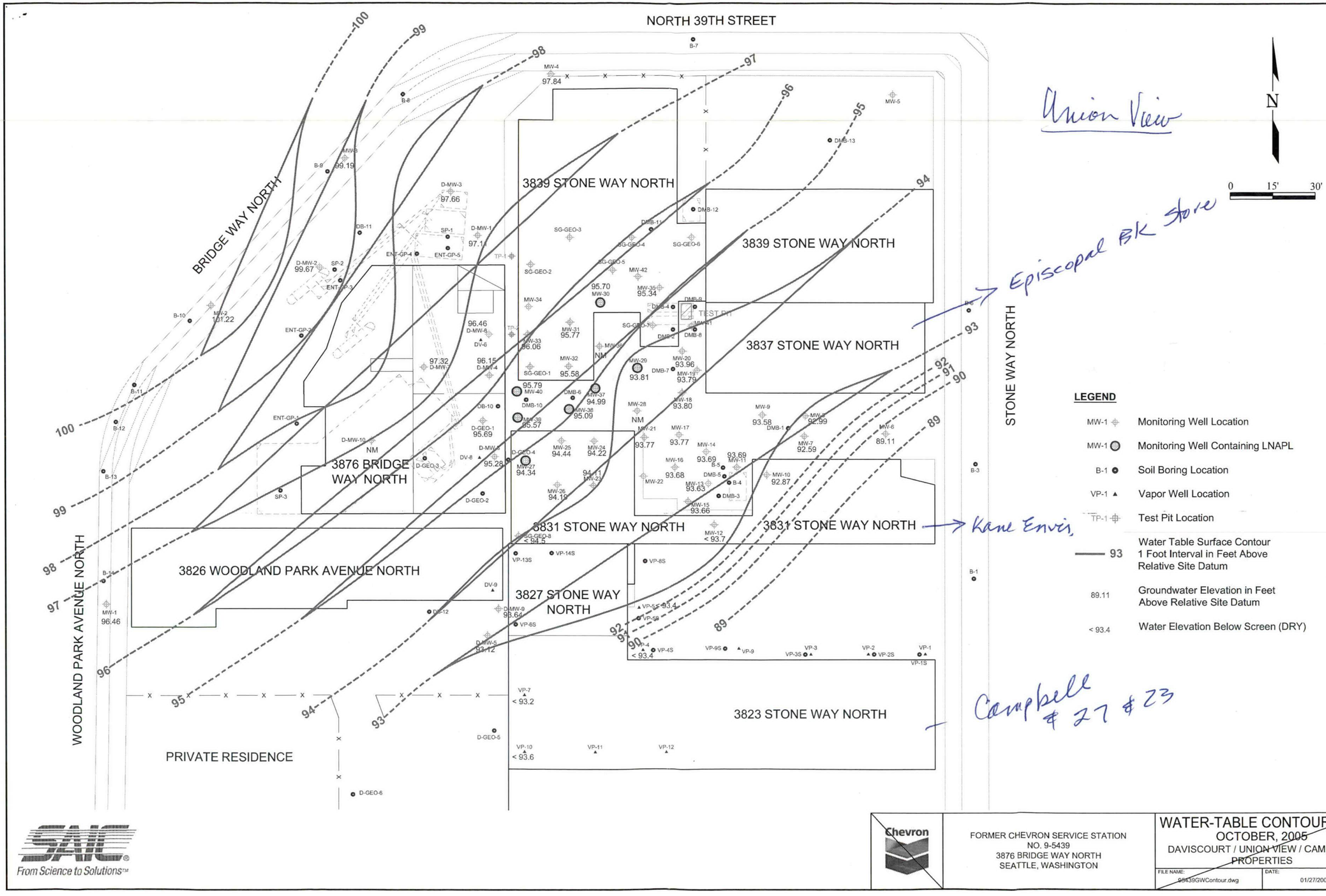
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Tom Dubé
Project Manager

Attachments:

Figure 1 – Groundwater Elevation Contour Map, September 2005
Table 1 – Groundwater Elevation Data, September 2005
Table 2 – Groundwater Analytical Data, October 2005
Attachment A –Laboratory Analytical Data Report

cc: Mr. Brett Hunter, Chevron EMC, 6001 Bollinger Canyon Rd, San Ramon CA
File – DCN CO1-SAI-95439-01-9291



SAIC From Science to Solutions™

Chevron

FORMER CHEVRON SERVICE STATION
NO. 9-5439
3876 BRIDGE WAY NORTH
SEATTLE, WASHINGTON

WATER-TABLE CONTOUR MAP
OCTOBER, 2005
DAVISCOURT / UNION VIEW / CAMPBELL PROPERTIES

FILE NAME: 05439GWContour.dwg
DATE: 01/27/2006

Chevron Facility #9-5439
Daviscourt Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Levels (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																								
		SP-2	D-GEO-1				D-GEO-3	D-GEO-5	D-GEO-6	D-MW-1			D-MW-2					D-MW-3		D-MW-4		D-MW-5		
		SP-2^	D-GEO-1	DGEO1-GW	D-GEO-1	D-GEO-1	D-GEO-3^	D-GEO-5^	D-GEO-6^	D-MW-1	DMW1-GW	DMW1-G	D-MW-2	DMW2-GW	D-MW-2-042104^	D-MW-2 G	D-MW-2 G	D-MW-3	DMW3-GW	D-MW-4	DMW4-GW	D-MW-5	DMW5-GW	050803D-4
		105079	02-089-03	4039866; 67	4386519	4625920	02-039-12	02-039-15	02-039-18	02-071-01	039868; 69	4625914	02-071-02	4039870; 71	4259253	4386514	4625915	02-071-03	4039864; 65	02-089-02	4039862; 63	02-089-01	4042572; 73	4042580; 81
		5/16/2001	2/17/2003	5/5/2003	10/23/2004	10/27/2005	2/8/2003	2/8/2003	2/8/2003	2/13/2003	5/5/2003	10/27/2005	2/13/2003	5/5/2003	4/21/2004	10/23/2004	10/27/2005	2/13/2003	5/5/2003	2/17/2003	5/5/2003	2/17/2003	5/8/2003	5/8/2003 (Dup)
Arsenic (dissolved)	5		13				ND													31		ND		
Barium (dissolved)			34				ND													39		ND		
Cadmium (dissolved)	5		ND				ND													ND		ND		
Chromium (dissolved)	50		ND				ND													ND		ND		
Mercury (dissolved)	2		ND				ND													ND		ND		
Selenium (dissolved)			ND				ND													ND		ND		
Silver (dissolved)			ND				ND													ND		ND		
Lead (dissolved)	15	20	1.5	2.8			ND	ND	ND	ND	ND	ND	1.3	ND				1.3	ND	1.6	1.6	ND	ND	ND
TPH-Gasoline Range	800/1000	47,000	24,000	22,000	2,800	18,000	28,000	ND	ND	1,800	3,900	340	6,200	2,400	13,000	440	9,600	ND	ND	63,000	27,000		ND	ND
TPH-Diesel Range	500	<630	ND	220	180	360	5,600	ND	33,000	ND	440	ND	ND	ND	96	ND	380	ND	ND	ND	ND	ND	ND	ND
TPH-Heavy Oil Range	500	<630	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5	1,300	420	430	500	260	26	ND	ND	4	5.6	0.8	79	26	77	2.8	67	ND	ND	480	280	ND	ND	ND
Toluene	1,000	11,000	2,100	2,000	2,300	1,100	630	ND	ND	ND	1.8	ND	570	300	1,100	16	460	ND	ND	5,100	2,600	ND	ND	ND
Ethylbenzene	700	1,200	680	750	1,000	640	630	ND	5.6	24	87	ND	110	65	400	8.5	260	ND	ND	1,500	820	ND	ND	ND
Total Xylenes	1000	5,700	2,960	3,100	4,400	2,800	2,810	ND	26.5	18.2	150	ND	660	290	1,830	44	870	ND	ND	7,500	4,000	ND	ND	ND
MTBE (8021)	20								ND														ND	ND
MTBE (8260 confirmation)	20		ND	< 25			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	< 40	<50	ND		
p-Isopropyltoluene			ND				ND	ND	ND											ND		ND		
Chloromethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2		ND	< 3.0			ND	ND	ND	ND	< 1.0		ND	< 1.0	<1			ND	<1.0	ND	< 5.0	ND	< 1.0	< 1.0
Bromomethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Chloroethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Acetone			ND				ND	ND	ND											ND		ND		
Methylene Chloride	5		ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	< 10	ND	ND	ND
trans-1,2-Dichloroethene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Chloroform			ND	ND			ND	ND	ND	0.24	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)			ND				ND	5.3	ND											ND		ND		
1,2-Dichloroethane (EDC)	5		ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200		ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,1 Dichloropropene			ND				ND	ND	ND											ND	na	ND		
Trichloroethene (TCE)	5		ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Dibromomethane			ND				ND	ND	ND											ND	na	ND		
cis-1,3-Dichloropropene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
2-Hexanone			ND				ND	ND	ND											ND		ND		
1,3-Dichloropropane			ND				ND	ND	ND											ND		ND	----	
Tetrachloroethene (PCE)	5		ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.01		ND	< 1.0			ND	ND	ND	ND	< 0.5		ND	< 0.5	<0.5			ND	< 0.5	ND	< 3.0	ND	< 0.5	< 0.5
Chlorobenzene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane			ND				ND	ND	ND	ND			ND					ND		ND		ND		
Chlorobenzene			ND				ND	ND	ND						ND					ND		ND		
Bromoform			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene			32				80	ND	3.9											69		ND		
Styrene			ND				ND	ND	ND											ND		ND		
n-Propylbenzene			ND				270	ND	5.5											190		ND		
Bromobenzene			77				ND	ND	ND											ND		ND		
1,3,5-Trimethylbenzene			140				490	ND	15	na	na	na								290		ND		
1,1,2,2-Tetrachloroethane			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane			ND				ND	ND	ND	na	na	na								ND		ND		
1,3-Dichlorobenzene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene			ND				ND	ND	ND											ND		ND		
4-Chlorotoluene			ND				ND	ND	ND											ND		ND		
tert-Butylbenzene			ND				ND	ND	ND											ND		ND		
1,2,4-Trimethylbenzene			520				1600	ND	59											1300		ND		
sec-Butylbenzene			ND				ND	ND	2.8											ND		ND		
p-Isopropyltoluene			ND				14	ND	3.5											ND		ND		
1,2,4-Trichlorobenzene			ND				ND	ND	ND											ND		ND		
Hexachlorobutadiene			ND				ND	ND	ND											ND		ND		
1,2,3-Trichlorobenzene			ND				ND	ND	ND											ND		ND		
Naphthalenes	160		ND		116	108	ND	ND	23			0.23				8	45			ND		ND		
Freon 113				ND							ND	ND		ND	ND				ND		ND		ND	ND
Methane																								
Sulfate																								
Nitrate Nitrogen																								
Ferrous Iron (dissolved)																								
Alkalinity to pH 8.3																								
Alkalinity to pH 4.5																								

Notes:

ND = Not detected above laboratory reporting limits na = Not analyzed

Detection limits above MTCA Method A cleanup levels are noted as < detection limit.

Bold = value reported exceeds MTCA Method A cleanup levels

All detections and cleanup levels are in units of ug/L

^ Groundwater not sampled from a monitoring well (geoprobe)

* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analytical Results for Groundwater)

Product identified in well prior to purging (approx. 1 mm thick)

(Dup) = Field Duplicate sample (E) = Entrix split sample (S) = SAIC split sample

Chevron Facility #9-5439
Daviscourt Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Levels (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																									
		D-MW-6					D-MW-7				D-MW-8		D-MW-9				D-MW-10		ENT-GP-1		ENT-GP-2		ENT-GP-3		ENT-GP-5		DB-11
		D-MW-6-032404	D-032404-1	GW-DMW-6	D-MW-6 G	D-MW-6 G	D-MW-7-032404	GW-DMW-7*	D-MW-7	D-MW-7 G	D-MW-8-032904	DMW-8*	D-MW-9-032404	GW-DMW-9*	D-MW-9 G	D-MW-9 G	D-MW-10	D-MW-10	GP-1-GW-1 ^	ENTGP-1-GW^	GP-2-GW-2^	ENTGP-2-GW^	GP-3-GW-3^	ENTGP-3-GW^	GP-5-GW-5^	ENTGP-5-GW^	DB-11^
		4241514, 15	4241518, 19	B4C0741	4386515	4625916	4241516, 17	B4C0852-02	4386516	4625917	4244635	B4C0838-01	4241520, 21	B4C0741-03	4386517	4625918	4386518	4625919	B4C0880-04, 35396-4	4246083	B4C0880-05, 35396-5	4246084	B4C0880-08, 35396-9	4246085	B4C0880-15, 35396-15	4246086	4383385
		3/24/2004	3/24/2004 (Dup)	3/24/2004 (E)	10/23/2004	10/27/2005	3/24/2004	3/24/04 (E)	10/23/2004	10/27/2005	3/29/2004	3/29/2004 (E)	3/24/2004	3/24/04 (E)	10/23/2004	10/27/2005	10/23/2004	10/27/2005	3/27/2004	3/27/2004 (S)	3/27/2004	3/27/2004 (S)	3/27/2004	3/27/2004 (S)	3/27/2004	3/27/2004 (S)	10/19/2004
Arsenic (dissolved)	5																										
Barium (dissolved)																											
Cadmium (dissolved)	5																										
Chromium (dissolved)	50																										
Mercury (dissolved)	2																										
Selenium (dissolved)																											
Silver (dissolved)																											
Lead (dissolved)	15	4.6	4.1	2.6			ND	ND			ND	1.26	1.9	ND													
TPH-Gasoline Range	800/1000	79,000	83,000	67,200	53,000	47,000	42,000	28,200	1,200	1,100	27,000	23,300	20,000	15,900	11,000	8,300	3,200	300	ND	ND	ND	ND	119,000	150,000	214	300	ND
TPH-Diesel Range	500	1,100	1,000	868	480	750	520	476	7,500	ND	2,600	3,480	330	371	230	290	17,000	270	ND	ND	ND	ND	35,700	9,000	575	150	ND
TPH-Heavy Oil Range	500	ND	ND	ND	ND	ND	ND	ND	2,500	ND	290	ND	ND	ND	ND	ND	17,000	260	<769	ND	ND	ND	<14,300	1,200	<769	ND	ND
Benzene	5	900	910	1,200	670	440	190	220	120	23	210	190	21	ND	41	36	1.3	ND	ND	ND	ND	ND	1,000	800	ND	ND	ND
Toluene	1,000	1,800	1,800	2,300	870	390	3,100	2,700	190	59	740	650	350	450	440	360	4.4	ND	2.7	0.5	ND	ND	17,000	17,000	2.9	0.8	0.5
Ethylbenzene	700	2,500	2,500	2,500	2,000	1,200	890	970	8.7	4.4	610	440	200	250	220	190	17	ND	ND	ND	ND	ND	3,500	3,800	ND	0.8	ND
Total Xylenes	1000	12,900	12,400	13,400	11,000	6,000	5,400	5,100	97	52	2,540	2,030	2,510	3,520	1,400	1,000	50	1.8	2	ND	ND	ND	17,900	16,500	5.1	3	ND
MTBE (8021)	20																			ND		ND		ND		ND	
MTBE (8260 confirmation)	20	ND	ND				ND				ND		ND							ND		ND		ND		ND	
p-Isopropyltoluene																				ND		ND		ND		ND	
Chloromethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Vinyl Chloride	0.2	<10	<10				<4				<3		<3							<1	<1		<20		<1		
Bromomethane		ND	ND				ND				ND		ND							ND	ND		ND		ND		
Chloroethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Trichlorofluoromethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,1-Dichloroethene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Acetone																				ND		ND		ND		ND	
Methylene Chloride	5	<20	<20				<8				ND		ND							ND		ND	<40			ND	
trans-1,2-Dichloroethene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,1-Dichloroethane		ND	ND				ND				ND		ND							ND		ND	ND			ND	
cis-1,2-Dichloroethene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Chloroform		ND	ND				ND				ND		ND							ND		ND		ND		ND	
2-Butanone (MEK)																				ND		ND		ND		ND	
1,2-Dichloroethane (EDC)	5	ND	ND	<40			ND	<40			ND	ND	ND	<40					ND	ND	ND	ND	<100	<10	ND	ND	
1,1,1-Trichloroethane	200	ND	ND				ND				ND		ND							ND		ND		ND		ND	
Carbon Tetrachloride		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,1 Dichloropropene																				ND		ND		ND		ND	
Trichloroethene (TCE)	5	<10	<10				ND				ND		ND							ND		ND		<20		ND	
1,2-Dichloropropane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Bromodichloromethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Dibromomethane													na							ND		ND		ND		ND	
cis-1,3-Dichloropropene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
trans-1,3-Dichloropropene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,1,2-Trichloroethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
2-Hexanone													na							ND		ND		ND		ND	
1,3-Dichloropropane													na							ND		ND		ND		ND	
Tetrachloroethene (PCE)	5	<8	<8				ND				ND		ND							ND		ND		<16		ND	
Dibromochloromethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,2-Dibromoethane (EDB)	0.01	<5	<5	<40			<2	<40			<1	<40	<1	<40					<1.0	<0.5	<1.0	<0.5	<100	<10	<1.0	<0.5	
Chlorobenzene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,1,1,2-Tetrachloroethane																				ND		ND		ND		ND	
Chlorobenzene																				ND		ND		ND		ND	
Bromoform		ND	ND				ND				ND		ND							ND		ND		ND		ND	
Isopropylbenzene				670				260				120		260					ND	ND	ND	ND	660	200	1.6	ND	
Styrene				ND				ND				ND		ND					ND	ND	ND	ND	ND	ND	ND	ND	
n-Propylbenzene				380				160				80		160					ND	ND		ND	460	610	ND	1	
Bromobenzene																				ND		ND		ND		ND	
1,3,5-Trimethylbenzene				740				320				190		370					ND	ND	ND	ND	940	1200	2.3	3	
1,1,2,2-Tetrachloroethane		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,2,3-Trichloropropane																				ND		ND		ND		ND	
1,3-Dichlorobenzene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,4-Dichlorobenzene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
1,2-Dichlorobenzene		ND	ND				ND				ND		ND							ND		ND		ND		ND	
2-Chlorotoluene																				ND		ND		ND		ND	
4-Chlorotoluene																				ND		ND		ND		ND	
tert-Butylbenzene																				ND		ND		ND		ND	
1,2,4-Trimethylbenzene				2000				1200				670		1400					ND	ND	ND	ND	3600	4700	11	15	
sec-Butylbenzene				ND				ND				ND		ND					ND	ND	ND	ND	ND	32	ND	ND	
p-Isopropyltoluene																				ND		ND		63		ND	
1,2,4-Trichlorobenzene																				ND		ND		ND		ND	
Hexachlorobutadiene																				ND		ND		ND		ND	
1,2,3-Trichlorobenzene																				ND		ND		ND		ND	
Naphthalenes	160			730	619	536		220	16	3.4		78	na	110	125	83	19	0.6	ND	ND	ND	ND	600	430	5.4	4	
Freon 113		ND	ND				ND				ND		ND														
Methane		4000	3600				1100				2900		190														
Sulfate		2200	2000				48000				22200		19200														
Nitrate Nitrogen		ND	ND				ND				ND		480														
Ferrous Iron (dissolved)		2400	2500				9				4500		11														
Alkalinity to pH 8.3		ND	ND				ND				ND		ND														
Alkalinity to pH 4.5		355000	355000				120000				369000		161000														

Notes:

ND = Not detected above laboratory reporting limits na = Not analyzed

Detection limits above MTCA Method A cleanup levels are noted as < detection limit.

Bold and shaded values exceed MTCA Method A cleanup levels

All detections and cleanup levels are in units of ug/L

^ Groundwater not sampled from a monitoring well (geoprobe)

* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analytical Results for Groundwater)

Product identified in well prior to purging (approx. 1 mm thick)

(Dup) = Field Duplicate sample (E) = Entrix split sample (S) = SAIC split sample

Chevron Facility #9-5439
Union View Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Level (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																												
		DMB-1	DMB-2		DMB-3	DMB-4	DMB-5		DMB-6	DMB-7	DMB-8	DMB-9	DMB-10		DMB-11	DMB-12	DMB-13	TP-1	TP-2	B-1	B-3	B-6	B-8	B-10	B-11	B-13	B-14	MW-1	
		B1-10W^	B2-9W^	B2-9.5W^	B3-8W^	B4-7.5W^	B5-8W^	B5-8W (DUP)^	B6-W^	B7-7.5W^	B8-7.5W^	B9-7.5W^	B10-7.5W^	B10-7.5W (DUP)^	B11-5.5W^	B12-5.5W^	B13-15W^	TP-1W^	TP-2W^#	B-1^	B-3^	B-6^	B-8^	B-10^	B-11^	B-13^	B-14^	MW-1	MW-1
		8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	8/20/1999	11/14/1999	11/14/1999	3/18/2002	3/18/2002	3/18/2002	3/18/2002	3/18/2002	3/18/2002	3/18/2002	3/18/2002	5/2/2002	10/15/2004
Lead (dissolved)	15																													
TPH-Gasoline Range	800/1000	1,300	120,000			49,000	ND	ND	37,000	35,000	6,100	20,000					ND	ND	550,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH-Diesel Range	500		ND		ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND				100							ND		
TPH-Heavy Oil Range	500		ND		ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND				ND							ND		
Benzene	5	160		120	18		ND		480	2,500	480	560	1,000	1,000			ND	ND	17,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000	41		22	ND		ND		6,400	7,100	400	700	9,000	8,600			ND	ND	6,900	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Ethylbenzene	700	110		71	ND		ND		2,500	2,700	480	1,500	2,400	2,900			ND	ND	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1000	95		84	ND		ND		4,400	7,000	450	3,400	6,700	6,800			ND	ND	69,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE (8021)	20																													
MTBE (8260 confirmation)	20																			ND	ND	ND	ND	ND	ND	ND	ND	ND		
Dichlorodifluoromethane																			ND											
Chloromethane																			ND											
Vinyl Chloride	0.2																		<0.7	ND	ND		ND	ND						
Bromomethane																			ND											
Chloroethane																			ND											
Trichlorofluoromethane																			ND											
Acetone																														
1,1-Dichloroethene																														
Methylene Chloride	5																		ND											
trans-1,2-Dichloroethene																				ND	ND		ND	ND						
1,1-Dichloroethane																			ND											
2,2-Dichloropropane																														
cis-1,2-Dichloroethene		57		ND	92				ND	ND	ND	ND	ND	ND			ND		ND	ND	ND		ND	ND						
Chloroform																			ND											
2-Butanone (MEK)																														
1,2-Dichloroethane (EDC)	5																		ND	ND	ND		ND	ND						
1,1,1-Trichloroethane	200																		ND											
Carbon Tetrachloride																			ND											
1,1-Dichloropropene																														
Trichloroethene (TCE)	5	ND		ND	16				ND	ND	ND	ND	ND	ND			ND		ND	ND	ND		ND	ND						
1,2-Dichloropropane																			ND											
Bromodichloromethane																			ND											
Dibromomethane																			ND											
4-Methyl-2-pentanone																														
cis-1,3-Dichloropropene																														
trans-1,3-Dichloropropene																			ND											
1,1,2-Trichloroethane																			ND											
2-Hexanone																														
1,3-Dichloropropane																														
Tetrachloroethene (PCE)	5	ND		ND	260				ND	ND	ND	ND	ND	ND			ND		ND	ND	ND		ND	ND						
Dibromochloromethane																			ND											
1,2-Dibromoethane (EDB)	0.01																		<0.3											
Chlorobenzene																			ND											
1,1,1,2-Tetrachloroethane																			ND											
Styrene																														
Isopropylbenzene																														
Bromoform																			ND											
n-Propylbenzene																														
Bromobenzene																			ND											
1,3,5-Trimethylbenzene																														
1,1,2,2-Tetrachloroethane																			ND											
1,2,3-Trichloropropane																			ND											
2-Chlorotoluene																			ND											
4-Chlorotoluene																														
tert-Butylbenzene																														
1,2,4-Trimethylbenzene																														
sec-Butylbenzene																														
p-Isopropyltoluene																														
1,3-Dichlorobenzene																			ND											
1,4-Dichlorobenzene																			ND											
1,2-Dichlorobenzene																			ND											
1,2,4-Trichlorobenzene																														
Hexachlorobutadiene																														
1,2,3-Trichlorobenzene																														
Freon 112																														
Naphthalenes	160																			ND	ND		ND	ND						
Hexane																				ND	ND	ND	ND	ND	ND	ND	ND			
Iodomethane																														
Carbon Disulfide																														
Vinyl Acetate																														
Bromochloromethane																														
2-Chloroethyl Vinyl Ether																			ND											
Methyl Isobutyl Ketone																														
n-Butylbenzene																														
1,2-Dibromo-3-chloropropane																														
Benzyl Chloride																			ND											
Bis(2-chloroethoxy)methane																			ND											
Bis(2-chloro-1-methyl ethyl)ether																			ND											
Chloroacetaldehyde																			ND											
1-Chlorohexane																			ND											
Acrylonitrile																														
Chloromethyl Methyl Ether																			ND											

Notes:
ND = Not detected above laboratory reporting limits
Detection limits above MTCA Method A cleanup levels are noted as < detection limit.
Bold = value reported exceeds MTCA Method A cleanup levels
All detections and cleanup levels are in units of ug/L
* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analyses for Groundwater)
^ Groundwater not sampled from a monitoring well (geoprobe or test pit)
# Product identified in well or test pit during or prior to sampling
(Dup) = Field Duplicate Sample (K) = Kane Environmental split sample

Chevron Facility #9-5439
Union View Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Level (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																																			
		MW-2	MW-3			MW-4			MW-5			MW-6					MW-7		MW-8						MW-9			MW-10					MW-11				
		MW-2	MW-3	MW-3	MW-3	1/25PT40-W	MW-4	MW-4	/25PT41-W	MW-5	MW-5	/13PT39-W	MW-6	MW6-GW	MW-6	MW-6	1/13PT37-W	MW7-GW	/13PT36-W	MW-8	MW8-GW	MW-8	MW-8 Dup	MW-8	/13PT34-W	MW-9	MW9-GW	1/24PT35-W	MW-10	MW10-GW	MW-10	MW-10	/13PT42-W	MW-11	MW11-GW	050803D-3	MW-11
		205016-02	205016-03				205016-04			205016-05			205131-01	042512, 13				4042514		205131-02	042516, 17					205216-01	4042518, 19		205131-03	042520, 21				205199-01	4042522, 23	4042578, 79	05-078-01
		5/2/2002	5/2/2002	10/15/2004	10/13/2005	1/25/2000	5/2/2002	10/17/2005	1/25/2000	5/2/2002	10/17/2005	1/13/2000	5/16/2002	5/7/2003	10/18/2004	10/13/2005	1/13/2000	5/8/2003	1/13/2000	5/16/2002	5/7/2003	10/18/2004	10/18/2004	10/12/2005	1/13/2000	5/28/2002	5/7/2003	1/24/2000	5/16/2002	5/8/2003	10/18/2004	10/12/2005	1/13/2000	5/22/2002	5/8/2003	5/8/2003 (Dup)	5/8/2003 (K)
Lead (dissolved)	15													ND							ND						ND			ND					ND	ND	ND
TPH-Gasoline Range	800/1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND		70		2,800	2,400	330	350	1000		530	80		900	400	ND	78	1,000		5,100	4,300	5,700
TPH-Diesel Range	500	ND	ND				ND			ND			ND	ND				ND		690	250					ND	ND		70	ND	ND	ND			160	140	ND
TPH-Heavy Oil Range	500	ND	ND				ND			ND			ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	ND			ND	ND	ND
Benzene	5	ND	ND	ND	<1		ND	<1		ND	<1	ND	ND	1.3	ND	<1	130	15	330	240	190	82		140	22	5	ND	20	130	72	29	16	300	270	290	290	340
Toluene	1000	ND	ND	ND	<1		ND	<1		ND	<1	ND	ND	ND	ND	<1	15	ND	32	41	27	7.1		9	1.1	13	ND	1.4	2	5.7	1	<2	22	160	85	82	99
Ethylbenzene	700	ND	ND	ND	<1		ND	<1		ND	<1	ND	ND	ND	ND	<1	48	0.8	ND	300	220	54		86	3.5	4	ND	ND	20	5.7	3.6	2	ND	430	360	310	410
Total Xylenes	1000	ND	ND	ND	<3		ND	<3		ND	<3	ND	ND	ND	ND	<3	26	ND	150	60	29	4.6		6	6.5	9	ND	1.6	1	12	1.2	<2	720	831	370	370	475
MTBE (8021)	20													ND				ND			< 50						ND			ND	ND				< 50	-73	ND
MTBE (8260 confirmation)	20																									ND										ND	
Dichlorodifluoromethane													ND							ND						ND			ND		ND	<2		ND			
Chloromethane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
Vinyl Chloride	0.2											< 5.0	ND	< 1.0			< 5.0	< 1.0	< 100	ND	< 1.0				< 5.0	0.5	< 1.0	< 5.0	ND	< 1.0	0.6	<2	< 5.0	ND	< 1.0	< 1.0	
Bromomethane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
Chloroethane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
Trichlorofluoromethane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
Acetone													ND							ND						ND			ND		ND	<25		ND			
1,1-Dichloroethene												ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
Methylene Chloride	5											ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<5	ND	ND	ND	ND	
trans-1,2-Dichloroethene												ND	ND	ND			7.2	3	22	ND	ND				5.3	1	1	3.3	2	2	1.9	<2	ND	ND	ND	ND	
1,1-Dichloroethane												ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
2,2-Dichloropropane													ND							ND						ND			ND		ND	<2		ND			
cis-1,2-Dichloroethene												ND	ND	ND			120	27	110	43	65				172	39	41	170	110	150	190	190	1.5	4	8	8	
Chloroform												ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
2-Butanone (MEK)													ND							ND						ND			ND		ND	<10		ND			
1,2-Dichloroethane (EDC)	5											ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
1,1,1-Trichloroethane	200											ND	ND	ND			ND	ND	ND	ND	ND				ND	19	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
Carbon Tetrachloride												ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
1,1-Dichloropropene													ND							ND						ND			ND		ND	<2		ND			
Trichloroethene (TCE)	5											ND	ND	ND			31	20	ND	ND	5				11	19	18	51	6	12	5.5	7	ND	ND	8	8	
1,2-Dichloropropane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
Bromodichloromethane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
Dibromomethane													ND							ND						ND			ND		ND	<2		ND			
4-Methyl-2-pentanone													ND							ND						ND			ND		ND	<10		ND			
cis-1,3-Dichloropropene													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
trans-1,3-Dichloropropene													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
1,1,2-Trichloroethane												ND	ND	ND			ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	
2-Hexanone													ND							ND						ND			ND		ND	<10		ND			
1,3-Dichloropropane													ND							ND						ND			ND		ND	<2		ND			
Tetrachloroethene (PCE)	5											1.1	ND	ND			22	5	ND	ND	0.9				27	28	25	200	3	29	23	21	6.2	ND	19	22	
Dibromochloromethane													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
1,2-Dibromoethane (EDB)	0.01												< 1.0	< 0.5				< 0.5		< 1.0	< 0.5					< 1.0	< 0.5		< 1.0	< 0.5	ND	<2		< 1.0	< 0.5	< 0.5	
Chlorobenzene													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
1,1,1,2-Tetrachloroethane												ND	ND				ND		ND	ND					ND	ND		ND	ND		ND	<2	ND	ND			
Styrene													ND							ND						ND			ND		ND	<4		ND			
Isopropylbenzene													ND							22						ND			8		ND	5		36			
Bromoform													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
n-Propylbenzene													ND							63						1			12		ND	3		94			
Bromobenzene													ND							ND						ND			ND		ND	<2		ND			
1,3,5-Trimethylbenzene													ND							38						3			ND		ND	<2		56			
1,1,2,2-Tetrachloroethane													ND	ND				ND		ND	ND					ND	ND	ND	ND	ND	ND	<2		ND	ND	ND	
1,2,3-Trichloropropane													ND							ND						ND			ND		ND	<2		ND			
2-Chlorotoluene													ND							ND						ND			ND		ND	<2		ND			
4-Chlorotoluene													ND							ND						ND			ND		ND	<2		ND			
tert-Butylbenzene													ND							ND						ND			ND		ND	<2		ND			
1,2,4-Trimethylbenzene													ND							210						12			2		ND	<2		630			
sec-Butylbenzene													ND							3						ND			ND		ND	<2		11			
p-Isopropyltoluene													ND							1						ND			ND		ND	<2		3			
1,3-Dichlorobenzene													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
1,4-Dichlorobenzene													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
1,2-Dichlorobenzene													ND	ND				ND		ND	ND					ND	ND		ND	ND	ND	<2		ND	ND	ND	
1,2,4-Trichlorobenzene													ND							ND						ND			ND		ND	<2		ND			
Hexachlorobutadiene													ND							ND						ND			ND			<2		ND			
1,2,3-Trichlorobenzene													ND							ND						ND			ND		ND	<2		ND			
Freon 112																																					
Naphthalenes	160												ND							22						ND			ND		ND	<2		66			
Hexane														ND				ND			ND						ND			ND					ND	ND	
Iodomethane																																					
Carbon Disulfide																																					
Vinyl Acetate																																					
Bromochloromethane																															ND	<2					
2-Chloroethyl Vinyl Ether																																					
Methyl Isobutyl Ketone																																					
n-Butylbenzene																															ND	<2					
1,2-Dibromo-3-chloropropane																															ND	<10					
Benzyl Chloride																																					
Bis(2-chloroethoxy)methane																																					
Bis(2-chloro-1-methyl ethyl)ether																																					
Chloroacetaldehyde																																					
1-Chlorohexane																																					
Acrylonitrile																																					
Chloromethyl Methyl Ether																																					

Notes:
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Detection limits above MTCA Method A cleanup levels are noted as < detection limit.
Bold and shaded values exceed MTCA Method A cleanup levels
All detections and cleanup levels are in units of ug/L
* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analyses for Groundwater)
^ Groundwater not sampled from a monitoring well (geoprobe or test pit)
# Product identified in well or test pit during or prior to sampling
(Dup) = Field Duplicate Sample (K) = Kane Environmental split sample

Chevron Facility #9-5439
Union View Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Level (μg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																																	
		MW-13						MW-14			MW-15						MW-16				MW-17						MW-18		MW-19					MW-20	
		/13PT32-W	MW-13	MW13-GW	MW-13	MW-13	MW-13	/13PT31-W	MW-14	MW14-GW	/13PT29-W	MW-15	MW15-GW	MW-15	MW-15	MW-15	/13PT28-W	MW-16	MW16-GW	MW-16	/13PT27-W	MW-17	MW17-GW	MW-17	MW-17	MW-17	/22PT26-W	MW18-GW	MW-19	MW19-GW	050803D-1	MW-19	MW-19	MW20-GW	MW-20
			205199-02	4042524, 2	05-078-02				205199-03	4042526, 27		205131-07	4042528, 2	05-078-11				205199-04	4042530, 3	05-078-03		205199-05	4042532, 3	05-078-04				4042534, 35	205131-04	4042536, 3	4042574, 75			4042538, 39	05-078-05
		1/13/2000	5/22/2002	5/8/2003	5/8/2003 (K	10/18/2004	10/12/2005	1/13/2000	5/22/2002	5/7/2003	1/13/2000	5/16/2002	5/8/2003	5/8/2003 (K	10/18/2004	10/12/2005	1/13/2000	5/22/2002	5/8/2003	5/8/2003 (K)	1/13/2000	5/22/2002	5/8/2003	5/8/2003 (K	10/18/2004	10/12/2005	1/22/2000	5/8/2003	5/16/2002	5/8/2003	5/8/2003 (Dup	10/18/2004	10/12/2005	5/8/2003	5/8/2003 (K)
Lead (dissolved)	15			ND	ND					ND			ND	ND					ND	ND			ND	ND				ND		8.4	7.6			349	330
TPH-Gasoline Range	800/1000			300	610	ND	ND			500		5,000	2,600	3,100	ND	560			1,200	1,400			200	410	ND	ND		17,000	35,000	51,000	51,000	25,000	48,000	30,000	25,000
TPH-Diesel Range	500			ND	ND					ND		530	ND	ND					ND	ND			96	ND				340	5700	1100	1500	ND	ND	43,000	ND
TPH-Heavy Oil Range	500			ND	ND					ND		ND	ND	ND					ND	ND			ND	ND				ND	ND	200	330	ND	670	ND	ND
Benzene	5	27	ND	ND	ND	ND	<2	56	ND	ND	380	340	160	230	3.4	83	240	300	100	94	ND	ND	ND	ND	ND	<2	380	630	2,300	1,000	1,100	1,400	50	100	140
Toluene	1000	2.6	ND	ND	ND	ND	<2	17	ND	ND	68	380	26	36	ND	12	28	58	17	14	ND	ND	ND	ND	ND	<2	64	240	3,700	1,200	1,300	1,700	1,000	520	650
Ethylbenzene	700	ND	ND	ND	ND	ND	<2	ND	ND	ND	ND	280	140	160	ND	37	ND	220	51	41	ND	ND	ND	ND	ND	<2	ND	760	3,700	1,600	1,600	2,600	2,300	320	370
Total Xylenes	1000	22	ND	ND	ND	ND	<2	68	2	ND	860	490	160	204	ND	4	540	436	80	73.3	ND	ND	ND	ND	ND	11	2,900	2,100	16,000	8,500	8,500	9,200	7,500	2,700	3,100
MTBE (8021)	20			ND	ND	ND	<2			ND			ND	ND	ND	<2			(23)	ND			ND	ND	ND	<2		< 50		< 200	< 100			(73)	< 50
MTBE (8260 confirmation)	20																		ND															ND	
Dichlorodifluoromethane			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
Chloromethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
Vinyl Chloride	0.2	< 5.0	ND	< 1.0		ND	<2	< 5.0	ND	< 1.0	< 5.0	ND	< 1.0		ND	<2	< 5.0	ND	< 1.0		< 5.0	ND	< 1.0		0.27	<2	< 5.0	< 1.0	ND	< 5.0	< 5.0			< 1.0	
Bromomethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
Chloroethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
Trichlorofluoromethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
Acetone			ND			ND	<25		ND			ND			ND	<25		ND				ND			ND	<25			ND						
1,1-Dichloroethene		ND	ND	ND		ND	<2	60	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
Methylene Chloride	5	ND	ND	ND		860	<5	ND	ND	ND	ND	ND	ND		690	<5	ND	ND	ND		ND	ND	ND		ND	<5	ND	ND	ND	< 10	< 10			ND	
trans-1,2-Dichloroethene		1.1	ND	ND		ND	3	8.0	8	15	ND	ND	ND		ND	<2	20	ND	ND		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
1,1-Dichloroethane		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
2,2-Dichloropropane			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
cis-1,2-Dichloroethene		55	27	6		35	120	112	230	180	7.4	15	18		7.2	27	120	9	3		ND	ND	ND		2.2	<2	12	23	10	10	9			0.9	
Chloroform		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND	<2	6.6	ND	ND	ND	ND			ND	
2-Butanone (MEK)			ND			ND	<10		ND			ND			ND	<10		47				ND			ND	<10			ND						
1,2-Dichloroethane (EDC)	5	ND	ND	ND		ND	<2	ND	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND		1.2	ND	ND	ND	ND			ND	
1,1,1-Trichloroethane	200	ND	ND	ND		ND	<2	ND	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
Carbon Tetrachloride		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
1,1-Dichloropropene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
Trichloroethene (TCE)	5	19	29	16		19	34	32	69	86	11	4	11		5.2	11	22	8	4		ND	1	ND		2.8	<2	ND	ND	ND	ND	ND			ND	
1,2-Dichloropropane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
Bromodichloromethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
Dibromomethane			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
4-Methyl-2-pentanone			ND			ND	<10		ND			ND			ND	<10		ND				ND			ND	<10			ND						
cis-1,3-Dichloropropene			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
trans-1,3-Dichloropropene			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
1,1,2-Trichloroethane		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND	ND		ND	<2	ND	ND	ND		ND	ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
2-Hexanone			ND			ND	<10		ND			ND			ND	<10		ND				ND			ND	<2			ND						
1,3-Dichloropropane			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
Tetrachloroethene (PCE)	5	1,700	930	450		740	1000	390	710	660	130	170	100		860	510	90	160	460		340	350	280		480	430	ND	2	ND	ND	ND			ND	
Dibromochloromethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		2	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
1,2-Dibromoethane (EDB)	0.01		< 1.0	< 0.5		ND	<2		< 1.0	< 0.5		< 1.0	< 0.5		ND	<2		< 1.0	< 0.5			< 1.0	< 0.5		ND	<2		< 0.5	< 1.0	< 3.0	< 3.0			< 0.5	
Chlorobenzene			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
1,1,1,2-Tetrachloroethane		ND	ND			ND	<2	ND	ND		ND	ND			ND	<2	ND	ND			ND	ND			ND	<2	ND		ND						
Styrene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
Isopropylbenzene			ND			ND	<2		ND			23			ND	12		30				ND			ND	<2			90						
Bromoform			ND	ND		ND			ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
n-Propylbenzene			ND			ND	<2		ND			49			ND	21		64				ND			ND	<2			330						
Bromobenzene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
1,3,5-Trimethylbenzene			ND			ND	<2		ND			42			ND	<2		55				ND			ND	<2			580						
1,1,2,2-Tetrachloroethane			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2	ND	ND	ND	ND	ND			ND	
1,2,3-Trichloropropane			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
2-Chlorotoluene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
4-Chlorotoluene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
tert-Butylbenzene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
1,2,4-Trimethylbenzene			ND			ND	<2		ND			250			ND	<2		410				ND			ND	5			4300						
sec-Butylbenzene			ND			ND	<2		ND			5			ND	<2		9				ND			ND	<2			27						
p-Isopropyltoluene			ND			ND	<2		ND			1			ND	<2		2				ND			ND	<2			6						
1,3-Dichlorobenzene			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
1,4-Dichlorobenzene			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
1,2-Dichlorobenzene			ND	ND		ND	<2		ND	ND		ND	ND		ND	<2		ND	ND			ND	ND		ND	<2		ND	ND	ND	ND			ND	
1,2,4-Trichlorobenzene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
Hexachlorobutadiene			ND				<2		ND			ND				<2		ND				ND				<2			ND						
1,2,3-Trichlorobenzene			ND			ND	<2		ND			ND			ND	<2		ND				ND			ND	<2			ND						
Freon 112																																			
Naphthalenes	160		ND			ND	<2		ND			8			ND	6		43				ND			ND	<2			280						
Hexane				ND						ND			ND						ND				ND					ND		ND	ND			ND	
Iodomethane																																			
Carbon Disulfide																																			
Vinyl Acetate																																			
Bromochloromethane						ND	<2								ND	<2									ND	<2									
2-Chloroethyl Vinyl Ether																																			
Methyl Isobutyl Ketone																																			
n-Butylbenzene						ND	<2								ND	6									ND	<2									
1,2-Dibromo-3-chloropropane						ND	<10								ND	<10									ND	<10									
Benzyl Chloride																																			
Bis(2-chloroethoxy)methane																																			
Bis(2-chloro-1-methyl ethyl)ether																																			
Chloroacetaldehyde																																			
1-Chlorohexane																																			
Acrylonitrile							<10									<10										<10									
Chloromethyl Methyl Ether																																			

Notes:
ND = Not detected above laboratory reporting limits
Detection limits above MTCA Method A cleanup levels are noted as < detection limit.
Bold and shaded values exceed MTCA Method A cleanup levels
All detections and cleanup levels are in units of ug/L.
* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analyses for Groundwater)
^ Groundwater not sampled from a monitoring well (geoprobe or test pit)
# Product identified in well or test pit during or prior to sampling
(Dup) = Field Duplicate Sample (K) = Kane Environmental split sample

Chevron Facility #9-5439
Union View Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Level (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																																	
		MW-21			MW-22						MW-23					MW-24					MW-25	MW-26					MW-27					MW-28			
		/22PT20-W	MW-21	MW21-GW	/22PT21-W	MW-22	MW22-GW	MW-22	MW-22	MW-22	MW-23	MW23-GW	MW-23	MW-23	MW-23	/24PT14-W	MW-24	MW24-GW	MW-24	MW-24	MW25-GW	/24PT10-W	1/24PT10-W#	MW26-GW	MW-26	MW-26	—	—	MW-27	FP-05	MW-27	/22PT19-W	MW-28	MW28-GW	MW-28
			205216-02	4042540, 41		205216-03	4042542, 4	05-078-12			205216-04	4042544, 4	05-078-06				205216-05	4042546, 47			4042548, 49			4042550, 51						34493-9			205216-06	4042552, 5	05-078-07
		1/22/2000	5/28/2002	5/7/2003	1/22/2000	5/28/2002	5/8/2003	5/8/03 (K)	10/18/2004	10/12/2005	5/28/2002	5/8/2003	/8/2003 (K	10/19/2004	10/14/2005	1/24/2000	5/28/2002	5/8/2003	10/19/2004	10/14/2005	5/8/2003	1/24/2000	/24/2000 (Dup	5/8/2003	10/15/2004	10/14/2005	1/27/2000	5/1/2002	4/27/2003	1/14/2004	10/14/2005	1/22/2000	5/28/2002	5/8/2003	5/8/2003 (K)
Lead (dissolved)	15			ND			ND	ND				1.9	4.3					4.8			3.7			81.9										ND	ND
TPH-Gasoline Range	800/1000			200		1,900	11,000	10,000	2,800	3,100	2,700	40,000	42,000	26,000	29,000			57,000	36,000	46,000	40,000	400,000	350,000	94,000	60,000	110,000	Product	Product	Product	Product	72,000		210	ND	420
TPH-Diesel Range	500			ND		370	ND	ND			3,000	380	ND					460			1,100			4,900	ND	ND	Identified	Identified	Samples	Sample	5400000		140	ND	ND
TPH-Heavy Oil Range	500			ND		<250	ND	ND			ND	ND	ND					ND			ND			ND	ND	310	By	By	Collected	Collected	1700000		ND	ND	ND
Benzene	5	15	38	26	600	160	310	280	190	130	990	670	790	860	850	1,300	1,000	880	1,200		610			1,300	1,900	1,700	EPMI	Kane	By	By	660	49	6	ND	5.5
Toluene	1000	7	1	1	2,500	30	730	620	87	87	3,100	1,700	1,800	1,400	1,100	7,800	7,000	6,800	8,800	5,400	2,300			13,000	22,000	19,000			SAIC & Kane	ENTRIX	2400	18	ND	ND	ND
Ethylbenzene	700	ND	ND	ND	840	50	420	350	210	140	1,900	1,600	1,600	1,500		1,050	1,700	1,500	2,100	1,800	1,300			1,400	2,600	2,800					2100	ND	8	ND	4.1
Total Xylenes	1000	140	1	2	3,800	154	1,400	1,200	550	535	7,800	6,300	6,700	5,200	2,360	8,500	7,900	7,300	9,600	9,300	5,900			9,600	15,000	18,500					14000	77	14	ND	31.5
MTBE (8021)	20			(24)			-110	< 50	ND	<2		< 200	< 100	ND	<200			(260)	ND		< 200			(330)	ND	<200					<200			ND	
MTBE (8260 confirmation)	20			ND			ND				ND							ND						ND											
Dichlorodifluoromethane			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
Chloromethane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
Vinyl Chloride	0.2	< 5.0	ND	< 1.0	< 5.0	ND	< 1.0		ND	<2	ND	< 4.0		ND	<200	< 5.0	ND	< 10	ND	<200	< 3.0			< 10	ND	<200					<200	< 5.0	ND	< 1.0	
Bromomethane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
Chloroethane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
Trichlorofluoromethane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
Acetone			ND			ND			ND	<2	ND			ND	<2500		ND		ND	<2500					ND	<2500					<2500		ND		
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
Methylene Chloride	5	ND	ND	ND	ND	ND	ND		ND	<5	ND	ND		ND	<500	ND	ND	< 20	ND	<500	ND			< 20	ND	<500					<500	ND	ND	ND	
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND	1		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
2,2-Dichloropropane			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
cis-1,2-Dichloroethene		ND	ND	ND	ND	ND	1		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	2.9	ND	ND	
Chloroform		ND	ND	ND	ND	ND	ND		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
2-Butanone (MEK)			ND			26			ND	<10	ND			ND	<1000		ND		ND	<1000					ND	<1000					<1000		ND		
1,2-Dichloroethane (EDC)	5	ND	ND	ND	1.0	ND	ND		ND	<2	ND	ND		ND	<200	1.9	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND		ND	<2	1	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
Carbon Tetrachloride		ND	ND	ND	ND	ND	ND		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
1,1-Dichloropropene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
Trichloroethene (TCE)	5	1.2	2	2	ND	8	8		7.9		1	ND		2.9	<200	1.3	ND	< 10	1.2	<200	ND			< 10	ND	<200					<200	ND	ND	ND	
1,2-Dichloropropane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
Bromodichloromethane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
Dibromomethane			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
4-Methyl-2-pentanone			ND			ND			ND	<10	ND			ND	<1000		ND		ND	<1000					ND	<1000					<1000		ND		
cis-1,3-Dichloropropene			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
trans-1,3-Dichloropropene			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
1,1,2-Trichloroethane		ND	ND	ND	ND	ND	ND		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
2-Hexanone			ND			ND			ND	<1	ND			ND	<1000		ND		ND	<1000					ND	<1000					<1000		ND		
1,3-Dichloropropane			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
Tetrachloroethene (PCE)	5	220	260	240	9.8	490	290		260	380	11	9		12	<100	18	18	15	42	<100	ND			32	13	<100					<100	28	57	91	
Dibromochloromethane			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
1,2-Dibromoethane (EDB)	0.01		< 1.0	< 0.5		< 1.0	< 0.5		ND	<2	1	< 2.0		0.54	<200		5	< 5.0	3.4	<200	< 1.0			8	10	<200					<200		< 1.0	< 0.5	
Chlorobenzene			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
1,1,1,2-Tetrachloroethane		ND	ND		ND	ND			ND	<2	ND			ND	<200	ND	ND		ND	<200					ND	<200					<200	ND	ND		
Styrene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
Isopropylbenzene			1			5			ND	12	76			ND	<200		77		ND	<200					ND	<200					<200		ND		
Bromoform			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					3000		ND	ND	
n-Propylbenzene			ND			5			ND	23	240			ND	<200		250		ND	<200					ND	<200					<200		2		
Bromobenzene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
1,3,5-Trimethylbenzene			ND			6			ND	30	350			ND	410		430		ND	460					ND	800					1100		3		
1,1,2,2-Tetrachloroethane		ND	ND	ND	ND	ND	ND		ND	<2	ND	ND		ND	<200	ND	ND	ND	ND	<200	ND			ND	ND	<200					<200	ND	ND	ND	
1,2,3-Trichloropropane			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
2-Chlorotoluene			ND			ND			ND	<2	ND			ND	<200		ND		ND	>200					ND	<200					<200		ND		
4-Chlorotoluene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
tert-Butylbenzene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
1,2,4-Trimethylbenzene			1			68			ND	160	2000			ND	1400		1800		ND	1600					ND	2900					3700		34		
sec-Butylbenzene			ND			ND			ND	<2	11			ND	<200		21		ND	<200					ND	<200					<200		ND		
p-Isopropyltoluene			ND			ND			ND	<2	5			ND	<200		5		ND	<200					ND	<200					<200		ND		
1,3-Dichlorobenzene			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
1,4-Dichlorobenzene			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
1,2-Dichlorobenzene			ND	ND		ND	ND		ND	<2	ND	ND		ND	<200		ND	ND	ND	<200	ND			ND	ND	<200					<200		ND	ND	
1,2,4-Trichlorobenzene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
Hexachlorobutadiene			ND			ND				<2	ND				<200		ND			<200						<200					<200		ND		
1,2,3-Trichlorobenzene			ND			ND			ND	<2	ND			ND	<200		ND		ND	<200					ND	<200					<200		ND		
Freon 112															<250																				
Naphthalenes	160		ND			9			ND	26	270			ND	250		340		ND	240					ND	390					530		2		
Hexane				ND			ND					ND						ND			ND			ND										ND	
Iodomethane																																			
Carbon Disulfide																																			
Vinyl Acetate																																			
Bromochloromethane									ND	<2				ND	<200				ND	<200					ND	<200					<200				
2-Chloroethyl Vinyl Ether																																			
Methyl Isobutyl Ketone																																			
n-Butylbenzene									ND	<2				ND	<200				ND	<200					ND	<200					<200				
1,2-Dibromo-3-chloropropane									ND	<10				ND	<1000				ND	<1000					ND	<1000					<1000				
Benzyl Chloride																																			
Bis(2-chloroethoxy)methane																																			
Bis(2-chloro-1-methyl ethyl)ether																																			
Chloroacetaldehyde																																			
1-Chlorohexane																																			
Acrylonitrile										<10					<1000					<1000						<1000					<1000				
Chloromethyl Methyl Ether																																			

Notes:
ND = Not detected above laboratory reporting limits
Detection limits above MTCA Method A cleanup levels are noted as < detection limit.
Bold and shaded values exceed MTCA Method A cleanup levels
All detections and cleanup levels are in units of ug/L
* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analyses for Groundwater)
^ Groundwater not sampled from a monitoring well (geoprobe or test pit)
# Product identified in well or test pit during or prior to sampling
(Dup) = Field Duplicate Sample (K) = Kane Environmental split sample

Chevron Facility #9-5439
Union View Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Level (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																																			
		MW-29					MW-30					MW-31		MW-32	MW-33			MW-34				MW-35				MW-36	MW-37						MW-38				
		/22PT18-W	—	MW-29-PR	FP-02,03	MW-29 (K)	MW-30#	MW-30-PR	FP-04	MW-30	MW-30	MW31-GW	MW-31	MW32-GW	1/21PT2-W	MW-33	MW33-GW	/21PT1-W	MW-34	MW34-GW	MW-34	/21PT22-W	MW-35	MW35-GW	MW-35	MW36-GW	/22PT13-W	MW-37	MW37-GW	MW-37	MW-37	MW-37	—	—	MW-38-PR	FP-01	MW-38
					34493-3, 4		205216-07		34493-5			4042554, 55		4042556, 57		205041-01	4035352, 53		205041-02	4035350, 51			205131-06	4042558, 59	05-078-08	4042560, 61		205216-08	4042562, 63	05-078-09						34493-2	
		1/22/2000	5/1/2002	4/24/2003	1/14/2004	10/12/2005	5/28/2002	4/24/2003	1/14/2004	10/19/2004	10/12/2005	5/8/2003	10/13/2005	5/8/2003	1/21/2000	5/3/2002	4/25/2003	1/21/2000	5/3/2002	4/25/2003	10/15/2004	1/21/2000	5/16/2002	5/8/2003	5/8/2003 (K)	5/8/2003	1/22/2000	5/28/2002	5/8/2003	5/8/2003 (K)	10/19/2004	10/12/2005	1/27/2000	5/1/2002	4/24/2003	1/14/2004	10/12/2005
Lead (dissolved)	15											3.6		ND			5.2			ND				101	120	ND			3.2	4.2							
TPH-Gasoline Range	800/1000		Product	Product	Product	110,000	21,000	Product	Product	9,200	24,000	16,000	12,000	16,000	54,000	44,000	38,000	ND	410	900	410	63,000	42,000	54,000	75,000	6,300	NA	9,900	44,000	48,000	15,000	30,000	Product	Product	Product	Product	20,000
TPH-Diesel Range	500		Identified	Samples	Sample	29000	6100	Sample	Sample			860		200		5800	970		270	380	ND		3,200	490	ND	250		530	600	ND			Identified	Identified	Samples	Sample	
TPH-Heavy Oil Range	500		By	Collected	Collected	22000	ND	Collected	Collected			ND		ND		ND	ND		ND	ND	ND		ND	ND	ND	ND		<250	ND	ND			By	By	Collected	Collected	
Benzene	5	1,800	Kane	By	By	870	140	By	By	29	<50	210	160	260	880	720	500	ND	9	260	ND	1,300	3,200	1,000	1,500	120	1,030	270	670	810	280	450	EPMI	Kane	By	By	190
Toluene	1000	13,000		SAIC & Kan	ENTRIX	7,400	5,100	SAIC	ENTRIX	960	2000	1,200	610	1,100	3,400	3,900	2,900	ND	2	4.9	1.5	4,500	19,000	6,600	9,100	110	4,100	1,200	2,600	2,900	900	780			SAIC & Kan	ENTRIX	1,900
Ethylbenzene	700	1,500				3,400	1,200			240	610	240	<20	470	ND	1,300	890	ND	1	19	8.6	2,000	3,300	1,300	2,000	130	620	550	1,500	1,600	1,000	1,300					540
Total Xylenes	1000	18,000				18,000	7,400			1,300	3,000	1,500	1,900	2,100	12,000	6,600	6,300	ND	5	26	6.3	10,000	14,400	6,500	9,300	720	9,000	3,040	7,000	7,800	4,100	4,800					2,600
MTBE (8021)	20											< 50		(97)			< 100			ND				(140)	< 100	(71)			< 100	< 100							
MTBE (8260 confirmation)	20						ND							ND										ND		ND											
Dichlorodifluoromethane							ND																ND					ND									
Chloromethane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
Vinyl Chloride	0.2	< 5.0					ND					< 1.0		< 2.0	< 5.0		< 5.0			< 1.0			ND	< 5.0		< 1.0	< 5.0	ND	< 5.0								
Bromomethane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
Chloroethane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
Trichlorofluoromethane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
Acetone							ND																ND					ND									
1,1-Dichloroethene		ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
Methylene Chloride	5	ND					ND					ND		ND	ND		< 10			ND			ND	< 10		ND	ND	ND	< 10.0								
trans-1,2-Dichloroethene		ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
1,1-Dichloroethane		ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
2,2-Dichloropropane							ND																ND					ND									
cis-1,2-Dichloroethene		2.0					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
Chloroform		3.6					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
2-Butanone (MEK)							ND																ND					ND									
1,2-Dichloroethane (EDC)	5	1.7					ND					ND		ND	ND		ND			ND			ND	ND		ND	3.1	ND	ND								
1,1,1-Trichloroethane	200	ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
Carbon Tetrachloride		ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
1,1-Dichloropropene							ND																ND					ND									
Trichloroethene (TCE)	5	ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
1,2-Dichloropropane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
Bromodichloromethane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
Dibromomethane							ND																ND					ND									
4-Methyl-2-pentanone							ND																ND					ND									
cis-1,3-Dichloropropene							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
trans-1,3-Dichloropropene							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
1,1,2-Trichloroethane		ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
2-Hexanone							ND																ND					ND									
1,3-Dichloropropane							ND																ND					ND									
Tetrachloroethene (PCE)	5	ND					ND					ND		ND	ND		ND			ND			ND	ND		ND	ND	ND	ND								
Dibromochloromethane							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
1,2-Dibromoethane (EDB)	0.01						< 1.0					< 0.5		< 1.0			< 3.0			< 0.5			14	8		< 0.5		< 1.0	< 3.0								
Chlorobenzene							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
1,1,1,2-Tetrachloroethane		ND					ND								ND					ND			ND				ND	ND									
Styrene							ND																ND					ND									
Isopropylbenzene							56																64					23									
Bromoform							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
n-Propylbenzene							180																230					67									
Bromobenzene							ND																ND					ND									
1,3,5-Trimethylbenzene							430																410					150									
1,1,2,2-Tetrachloroethane		ND					ND					ND		ND	ND		ND						ND	ND		ND	ND	ND	ND								
1,2,3-Trichloropropane							ND																ND					ND									
2-Chlorotoluene							ND																ND					ND									
4-Chlorotoluene							ND																ND					ND									
tert-Butylbenzene							ND																ND					ND									
1,2,4-Trimethylbenzene							2100																3400					740									
sec-Butylbenzene							24																28					10									
p-Isopropyltoluene							7																4					3									
1,3-Dichlorobenzene							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
1,4-Dichlorobenzene							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
1,2-Dichlorobenzene							ND					ND		ND			ND			ND			ND	ND		ND		ND	ND								
1,2,4-Trichlorobenzene							ND																ND					ND									
Hexachlorobutadiene							ND																ND					ND									
1,2,3-Trichlorobenzene							ND																ND					ND									
Freon 112																																					
Naphthalenes	160						140																180					84									
Hexane												ND		ND			ND			ND				ND		ND			ND								
Iodomethane																																					
Carbon Disulfide																																					
Vinyl Acetate																																					
Bromochloromethane																																					
2-Chloroethyl Vinyl Ether																																					
Methyl Isobutyl Ketone																																					
n-Butylbenzene																																					
1,2-Dibromo-3-chloropropane																																					
Benzyl Chloride																																					
Bis(2-chloroethoxy)methane																																					
Bis(2-chloro-1-methyl ethyl)ether																																					
Chloroacetaldehyde																																					
1-Chlorohexane																																					
Acrylonitrile																																					
Chloromethyl Methyl Ether																																					

Notes:
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Bold and shaded values exceed MTCA Method A cleanup levels
All detections and cleanup levels are in units of ug/L.
* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analyses for Groundwater)
^ Groundwater not sampled from a monitoring well (geoprobe or test pit)
# Product identified in well or test pit during or prior to sampling
(Dup) = Field Duplicate Sample (K) = Kane Environmental split sample

Chevron Facility #9-5439
Union View Property
Groundwater Sampling Results

Analysis Name	MTCA Method A Cleanup Level (µg/L)	Well or Boring ID / Field Sample Number / Lab Sample Number / Sampling Date																																	
		MW-39					MW-40								MW-41					MW-42						SG-Geo-1	SG-Geo-2	SG-Geo-3		SG-Geo-4		SG-Geo-5	SG-Geo-6		SG-Geo-8
		MW-39	MW39-GW	—	MW-39	MW-39	1/22PT3-W	MW-40	MW40-GW	GW-01*	MW-40-PR	MW-40	MW-40	MW-40	1/22PT23-W	MW-41	MW41-GW	050803D-2	MW-41	1/21PT16-W	—	MW42-GW	MW-42	MW-42	MW-42	SG-Geo-1	SG-Geo-2	SG-Geo-3	SG-Geo-3	SG-Geo-4	SG-Geo-4	SG-Geo-5	SG-Geo-6	SG-Geo-6	SG-Geo-8
		205026-01	4035354, 55					205026-02	4035348, 49	34493-1						205131-05	4042564, 65	4042576, 77	05-078-13			4042566, 67	05-078-10			01-015-01	01-015-02	01-015-03		01-015-04		01-015-05	01-015-06		01-015-07
		5/2/2002	4/25/2003	4/13/2004	10/15/2004	12/12/2005	1/22/2000	5/2/2002	4/25/2003	1/14/2004	4/24/2003	4/13/2004	10/15/2004	12/12/2005	1/22/2000	5/16/2002	5/8/2003	5/8/2003 (Dup	5/8/2003 (K)	1/21/2000	5/1/2002	5/8/2003	5/8/2003 (K)	10/19/2004	10/13/2005	1/2/2004	1/2/2004	1/2/2004	10/14/2005	1/2/2004	10/14/2005	1/2/2004	1/5/2004	10/14/2005	1/5/2004
Lead (dissolved)	15		10.3						15.9								10.1	11.1	13			31	33												
TPH-Gasoline Range	800/1000	54,000	54,000	Product	76,000	66,000	130,000	54,000	72,000		Product	Product	51,000	91,000	34,000	34,000	39,000	43,000	49,000	58,000	Product	120,000	110,000	23,000	25,000	61,000	ND	ND	ND	ND	ND	3,300	100	ND	15,000
TPH-Diesel Range	500	3,100	1,000	Identified	ND	ND		3,100	940		Sample	Sample	ND	1000000		7,300	1,500	2,500	ND		Identified	1,600	ND			14	ND	ND		ND		ND	1.1		ND
TPH-Heavy Oil Range	500	ND	130	By	ND	19000		ND	120		Collected	Collected	ND	540000		ND	ND	290	ND		By	170	ND			0.96	ND	ND		ND		ND	ND		ND
Benzene	5	1,200	2,100	SAIC &	2,900	1800		260	510		By	By	790	930	340	530	310	370	440	1,100	Kane	1,400	1,600	560	250	1,300	ND	ND	<1	ND	<1	4	ND	<1	220
Toluene	1000	4,900	7,100	ENTRIX	13,000	6500		3,100	6,400		SAIC	ENTRIX	5,400	6,800	1,400	2,400	1,200	1,900	1,900	9,400		15,000	13,000	5,900	2,200	5,000	ND	ND	<1	ND	<1	360	ND	<1	640
Ethylbenzene	700	1,200	1,700		2,200	1700		1,500	2,000	3,300			1,800	2,000	540	2,400	1,600	1,700	2,000	700		2,100	1,900	900	480	2,900	ND	ND	<1	ND	<1	140	ND	<1	690
Total Xylenes	1000	5,800	7,400		10,000	7700		8,800	14,000	21,700			14,000	16,000	6,000	7,800	4,400	5,400	6,100	9,700		13,000	11,100	5,300	2,500	13,900	ND	ND	<3	ND	<3	620	ND	<3	3,010
MTBE (8021)	20		< 130						< 250								(220)	< 100	< 100			(300)	< 100							ND		ND	ND		ND
MTBE (8260 confirmation)	20																ND					ND				ND	ND	ND		ND		ND	ND		ND
Dichlorodifluoromethane																ND										ND	ND	0.28		ND		ND	ND		ND
Chloromethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Vinyl Chloride	0.2		< 10						< 10							ND	< 2.0	< 4.0				< 20				<50	ND	ND		ND		<2.0	ND		<4.0
Bromomethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Chloroethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Trichlorofluoromethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Acetone																ND										ND	ND	ND		ND		ND	ND		ND
1,1-Dichloroethene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Methylene Chloride	5		< 20						< 20							ND	ND	< 8.0				< 40				<250	ND	ND		ND		<10	ND		ND
trans-1,2-Dichloroethene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,1-Dichloroethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
2,2-Dichloropropane																ND										ND	ND	ND		ND		ND	ND		ND
cis-1,2-Dichloroethene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Chloroform			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
2-Butanone (MEK)																ND										ND	ND	ND		ND		ND	ND		ND
1,2-Dichloroethane (EDC)	5		ND						ND							ND	ND	ND				< 10				<50	ND	ND		ND		ND	ND		ND
1,1,1-Trichloroethane	200		ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Carbon Tetrachloride			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,1-Dichloropropene																ND										ND	ND	ND		ND		ND	ND		ND
Trichloroethene (TCE)	5		< 10						< 10							ND	ND	ND				< 20				<50	ND	ND		ND		ND	ND		ND
1,2-Dichloropropane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Bromodichloromethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
Dibromomethane																ND										ND	ND	ND		ND		ND	ND		ND
4-Methyl-2-pentanone																ND																			
cis-1,3-Dichloropropene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
trans-1,3-Dichloropropene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,1,2-Trichloroethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
2-Hexanone																ND										ND	ND	ND		ND		ND	ND		ND
1,3-Dichloropropane																ND										ND	ND	ND		ND		ND	ND		ND
Tetrachloroethene (PCE)	5		< 8.0						< 8.0							ND	ND	ND				< 16				<50	ND	ND		ND		ND	ND		ND
Dibromochloromethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,2-Dibromoethane (EDB)	0.01		< 5.0						< 5.0							< 1.0	< 1.0	< 2.0				11				ND	<0.20	<0.20		<0.20		<2.0	<0.20		<4.0
Chlorobenzene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,1,1,2-Tetrachloroethane																ND										ND	ND	ND		ND		ND	ND		ND
Styrene										ND						ND										ND	ND	ND		ND		ND	ND		ND
Isopropylbenzene										180						85										140	ND	ND		ND		8.2	ND		68
Bromoform			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
n-Propylbenzene										530						370										380	ND	ND		ND		24	ND		180
Bromobenzene																ND										ND	ND	ND		ND		ND	ND		ND
1,3,5-Trimethylbenzene										950						500										650	ND	ND		ND		40	ND		290
1,1,2,2-Tetrachloroethane			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,2,3-Trichloropropane																ND										ND	ND	ND		ND		ND	ND		ND
2-Chlorotoluene																ND										ND	ND	ND		ND		ND	ND		ND
4-Chlorotoluene																ND										ND	ND	ND		ND		ND	ND		ND
tert-Butylbenzene																ND										ND	ND	ND		ND		ND	ND		ND
1,2,4-Trimethylbenzene										3700						2900										2800	ND	ND		ND		140	ND		930
sec-Butylbenzene										ND						24										ND	ND	ND		ND		ND	0.51		ND
p-Isopropyltoluene																6										ND	ND	ND		ND		ND	0.32		ND
1,3-Dichlorobenzene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,4-Dichlorobenzene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,2-Dichlorobenzene			ND						ND							ND	ND	ND				ND				ND	ND	ND		ND		ND	ND		ND
1,2,4-Trichlorobenzene																ND										ND	ND	ND		ND		ND	ND		ND
Hexachlorobutadiene																ND										ND	ND	ND		ND		ND	ND		ND
1,2,3-Trichlorobenzene																ND										ND	ND	ND		ND		ND	ND		ND
Freon 112																																			
Naphthalenes	160									670						240										620	ND	ND		ND		16	ND		99
Hexane			ND						ND								ND	ND				ND													
Iodomethane																																ND	ND		ND
Carbon Disulfide																																ND	ND		ND
Vinyl Acetate																																ND	ND		ND
Bromochloromethane																																ND	ND		ND
2-Chloroethyl Vinyl Ether																																ND	ND		ND
Methyl Isobutyl Ketone																																ND	ND		ND
n-Butylbenzene																																ND	ND		ND
1,2-Dibromo-3-chloropropane																																ND	ND		ND
Benzyl Chloride																																			
Bis(2-chloroethoxy)methane																																			
Bis(2-chloro-1-methyl ethyl)ether																																			
Chloroacetaldehyde																																			
1-Chlorohexane																																			
Acrylonitrile																																			
Chloromethyl Methyl Ether																																			

Notes:
ND = Not detected above laboratory reporting limits
Detection limits above MTCA Method A cleanup levels are noted as < detection limit.
Bold and shaded values exceed MTCA Method A cleanup levels
All detections and cleanup levels are in units of ug/L
* See additional analyses in worksheet "Daviscourt-UV GW Addition" (Daviscourt and Union View Additional Analyses for Groundwater)
^ Groundwater not sampled from a monitoring well (geoprobe or test pit)
# Product identified in well or test pit during or prior to sampling
(Dup) = Field Duplicate Sample (K) = Kane Environmental split sample

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 963427. Samples arrived at the laboratory on Saturday, October 15, 2005. The PO# for this group is 99011184 and the release number is HUNTER.

Client Description	Lancaster Labs Number
D-MW-1 Grab Water Sample	4625914
D-MW-2 Grab Water Sample	4625915
D-MW-6 Grab Water Sample	4625916
D-MW-7 Grab Water Sample	4625917
D-MW-9 Grab Water Sample	4625918
D-MW-10 Grab Water Sample	4625919
D-GEO-1 Grab Water Sample	4625920
QA-1 Grab Water Sample	4625921

1 COPY TO SAIC Attn: Tom Dube

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Teresa L Cunningham at (717) 656-2300

Respectfully Submitted,

Dana M. Kauffman
Manager

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4625914

D-MW-1 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 11:50 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:11
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	94.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	120.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	0.8	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	340.	48.	ug/l	1
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	0.03	0.01	ug/l	1
08362	Naphthalene	91-20-3	0.2	0.01	ug/l	1
08363	2-Methylnaphthalene	91-57-6	N.D.	0.01	ug/l	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 12:31	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 13:31	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 13:31	Martha L Seidel	1
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/19/2005 02:22	Linda M Hartenstine	1
00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 13:31	Martha L Seidel	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625914

D-MW-1 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 11:50 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:11
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-1

02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625915

D-MW-2 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 12:40 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:11
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	380.	95.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	120.	ug/l	1
	The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier in the DRO range.					
05879	BTEX					
02161	Benzene	71-43-2	67.	2.5	ug/l	5
02164	Toluene	108-88-3	460.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	260.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	870.	7.5	ug/l	5
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	9,600.	240.	ug/l	5
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	10.	0.01	ug/l	1
08362	Naphthalene	91-20-3	20.	0.1	ug/l	10
08363	2-Methylnaphthalene	91-57-6	15.	0.1	ug/l	10
	Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.					

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 12:56	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 14:04	Martha L Seidel	5
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 14:04	Martha L Seidel	5
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/19/2005 02:46	Linda M Hartenstine	1

Lancaster Laboratories Sample No. WW 4625915

D-MW-2 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 12:40 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:11
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-2

08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/20/2005 00:22	Linda M Hartenstine	10
00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 14:04	Martha L Seidel	5
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625916

D-MW-6 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 14:00 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	750.	91.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	110.	ug/l	1
	The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.					
05879	BTEX					
02161	Benzene	71-43-2	440.	5.0	ug/l	10
02164	Toluene	108-88-3	390.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	1,200.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	6,000.	15.	ug/l	10
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	47,000.	480.	ug/l	10
	An elevated surrogate recovery was observed. The analysis was repeated and an elevated surrogate recovery was again observed indicating a significant matrix effect.					
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	66.	0.1	ug/l	10
08362	Naphthalene	91-20-3	370.	1.	ug/l	100
08363	2-Methylnaphthalene	91-57-6	100.	0.1	ug/l	10
	Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.					

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

Lancaster Laboratories Sample No. WW 4625916

D-MW-6 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 14:00 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-6

02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 13:20	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 14:37	Martha L Seidel	10
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 14:37	Martha L Seidel	10
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/20/2005 00:45	Linda M Hartenstine	100
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/20/2005 01:09	Linda M Hartenstine	10
00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 14:37	Martha L Seidel	10
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625917

D-MW-7 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 14:30 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	86.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	110.	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	23.	0.5	ug/l	1
02164	Toluene	108-88-3	59.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	4.4	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	52.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	1,100.	48.	ug/l	1
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	2.	0.01	ug/l	1
08362	Naphthalene	91-20-3	1.	0.01	ug/l	1
08363	2-Methylnaphthalene	91-57-6	0.4	0.01	ug/l	1

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 13:45	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 15:10	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 15:10	Martha L Seidel	1
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/19/2005 03:33	Linda M Hartenstine	1
00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 15:10	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625917

D-MW-7 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005 14:30 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-7

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Analysis Report

Lancaster Laboratories Sample No. WW 4625918

D-MW-9 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/13/2005 12:05 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	290.	75.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	94.	ug/l	1
	The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.					
05879	BTEX					
02161	Benzene	71-43-2	36.	2.5	ug/l	5
02164	Toluene	108-88-3	360.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	190.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	1,000.	7.5	ug/l	5
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	8,300.	240.	ug/l	5
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	10.	0.01	ug/l	1
08362	Naphthalene	91-20-3	58.	0.1	ug/l	10
08363	2-Methylnaphthalene	91-57-6	15.	0.1	ug/l	10

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 14:13	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 15:43	Martha L Seidel	5
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 15:43	Martha L Seidel	5
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/19/2005 03:57	Linda M Hartenstine	1
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/20/2005 01:32	Linda M Hartenstine	10
00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1

Lancaster Laboratories Sample No. WW 4625918

D-MW-9 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/13/2005 12:05 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN-9

01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 15:43	Martha L Seidel	5
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625919

D-MW-10 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/13/2005 13:30 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	270.	100.	ug/l	1
02096	Heavy Range Organics	n.a.	260.	130.	ug/l	1
	The observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier and later in the DRO range.					
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	1.8	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	300.	48.	ug/l	1
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	0.2	0.01	ug/l	1
08362	Naphthalene	91-20-3	0.3	0.01	ug/l	1
08363	2-Methylnaphthalene	91-57-6	0.1	0.01	ug/l	1
	Due to insufficient sample, the reporting limits for the GC/MS semivolatile compounds were raised.					

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 14:38	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 16:16	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 16:16	Martha L Seidel	1
08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/19/2005 04:21	Linda M Hartenstine	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625919

D-MW-10 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/13/2005 13:30 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWN10

00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 16:16	Martha L Seidel	1
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 4625920

D-GEO-1 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/13/2005 14:30 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWNG1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	360.	78.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	97.	ug/l	1
	The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.					
05879	BTEX					
02161	Benzene	71-43-2	260.	10.	ug/l	20
02164	Toluene	108-88-3	1,100.	10.	ug/l	20
02166	Ethylbenzene	100-41-4	640.	10.	ug/l	20
02171	Total Xylenes	1330-20-7	2,800.	30.	ug/l	20
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	18,000.	960.	ug/l	20
08357	Selected SVOAs by 8270 SIM					
02884	1-Methylnaphthalene	90-12-0	12.	0.1	ug/l	10
08362	Naphthalene	91-20-3	76.	0.1	ug/l	10
08363	2-Methylnaphthalene	91-57-6	20.	0.1	ug/l	10
	Due to the sample matrix an initial dilution was necessary to perform the analysis. Therefore, the reporting limits for the GC/MS semivolatile compounds were raised.					

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/19/2005 15:27	Matthew E Barton	1
05879	BTEX	SW-846 8021B	1	10/18/2005 16:49	Martha L Seidel	20
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/18/2005 16:49	Martha L Seidel	20

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Analysis Report

Lancaster Laboratories Sample No. WW 4625920

D-GEO-1 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/13/2005 14:30 by MK

Account Number: 11255

Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWNG1

08357	Selected SVOAs by 8270 SIM	SW-846 8270C (SIM)	1	10/20/2005 01:56	Linda M Hartenstine	10
00813	BNA Water Extraction	SW-846 3510C	1	10/17/2005 16:30	Kerrie A Greenfield	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/18/2005 16:49	Martha L Seidel	20
02135	Extraction - DRO Water Special	NWTPH-Dx, ECY 97-602, 6/97	1	10/18/2005 07:45	Joseph S Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW 4625921

QA-1 Grab Water Sample
Facility# 95439
3876 Bridgeway N - Seattle WA
Collected:10/12/2005
through 10/13/2005
Submitted: 10/15/2005 09:55
Reported: 10/27/2005 at 09:12
Discard: 11/27/2005

Account Number: 11255

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

BWNQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	48.	ug/l	1

State of Washington Lab Certification No. C259
Carcinogenic PAHs and 3 Naphthalenes have been reported for this sample.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05879	BTEX	SW-846 8021B	1	10/19/2005 17:20	Deborah S Garrison	1
08274	TPH by NWTPH-Gx waters	NWTPH-Gx - 8015B Mod.	1	10/19/2005 17:20	Deborah S Garrison	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/19/2005 17:20	Deborah S Garrison	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Reported: 10/27/05 at 09:12 AM

Group Number: 963427

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 052900019A	Sample number(s): 4625914-4625920							
Diesel Range Organics	N.D.	0.080	mg/l	99	89	51-113	11	20
Heavy Range Organics	N.D.	0.10	mg/l					
Batch number: 05290A56B	Sample number(s): 4625914-4625920							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	97	90	70-130	8	30
Benzene	N.D.	0.5	ug/l	99	109	86-119	10	30
Toluene	N.D.	0.5	ug/l	93	105	82-119	12	30
Ethylbenzene	N.D.	0.5	ug/l	93	102	81-119	10	30
Total Xylenes	N.D.	1.5	ug/l	96	105	82-120	9	30
Batch number: 05290WAD026	Sample number(s): 4625914-4625920							
1-Methylnaphthalene	N.D.	0.01	ug/l	95	99	61-116	3	30
Naphthalene	N.D.	0.01	ug/l	95	100	61-121	4	30
2-Methylnaphthalene	N.D.	0.01	ug/l	89	95	61-108	6	30
Batch number: 05292A56A	Sample number(s): 4625921							
TPH by NWTPH-Gx waters	N.D.	48.	ug/l	95	96	70-130	1	30
Benzene	N.D.	0.5	ug/l	98	106	86-119	8	30
Toluene	N.D.	0.5	ug/l	98	99	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	99	96	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	102	99	82-120	3	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 05290A56B	Sample number(s): 4625914-4625920								
TPH by NWTPH-Gx waters	103		63-154						
Benzene	97		78-131						
Toluene	100		78-129						
Ethylbenzene	104		75-133						
Total Xylenes	107		80-134						
Batch number: 05292A56A	Sample number(s): 4625921								
TPH by NWTPH-Gx waters	108		63-154						
Benzene	100		78-131						
Toluene	100		78-129						
Ethylbenzene	106		75-133						
Total Xylenes	108		80-134						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 963427
Reported: 10/27/05 at 09:12 AM

Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel
Batch number: 052900019A

	Orthoterphenyl
4625914	109
4625915	112
4625916	110
4625917	104
4625918	108
4625919	106
4625920	108
Blank	108
LCS	118
LCSD	121
Limits:	52-141

Analysis Name: BTEX
Batch number: 05290A56B

	Trifluorotoluene-P	Trifluorotoluene-F
4625914	95	117
4625915	102	130
4625916	98	140*
4625917	107	132
4625918	110	124
4625919	92	112
4625920	100	115
Blank	94	113
LCS	96	116
LCSD	94	117
MS	88	120
Limits:	69-129	63-135

Analysis Name: Selected SVOAs by 8270 SIM
Batch number: 05290WAD026

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14
4625914	114	100	108
4625915	121	100	108
4625916	90	86	99
4625917	126	100	106
4625918	109	90	106
4625919	133	99	107
4625920	145	88	90
Blank	108	93	108
LCS	111	93	103
LCSD	111	99	106
Limits:	52-148	48-131	49-140

Analysis Name: BTEX
Batch number: 05292A56A

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 963427
Reported: 10/27/05 at 09:12 AM

Surrogate Quality Control

	Trifluorotoluene-P	Trifluorotoluene-F
4625921	93	109
Blank	93	113
LCS	87	118
LCSD	95	117
MS	87	122
Limits:	69-129	63-135

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11255 Sample #: 462914-21 SCR#: G# 963477

Facility #: CVX 9-5439
Site Address: 3876 Bridge Way N., Seattle WA
Chevron PM: Brett Hunter Lead Consultant: SAIC
Consultant/Office: SAIC Bothell
Consultant Prj. Mgr.: Tom Duke
Consultant Phone #: 425-482-3325 Fax #: 425-485-5566
Sampler: MK, SK, GC, RF
Service Order #: 1500 1353 ☐ Non SAR:

Matrix: Soil ☐ | Water ☐ | Oil ☐ | Potable ☐ | NPDES ☐ | Air ☐

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth	8260 full scan	Oxygenates ____	TPH G	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	VPH/EPH	NWTPH H HCID ☐ quantification	Naphthalene Only 8270
					Preservation Codes	# ☐			#	#				-
D-MW-1	10/12/05	1150	✓		7	✓			✓	✓				✓
D-MW-2	10/12/05	1240	✓		7	✓			✓	✓				✓
D-MW-6	10/12/05	1400	✓		5	✓			✓	✓				✓
D-MW-7	10/12/05	1430	✓		5	✓			✓	✓				✓
D-MW-9	10/13/05	1205	✓		5	✓			✓	✓				✓
D-MW-10	10/13/05	1330	✓		5	✓			✓	✓				✓
D-GEO-1	10/13/05	1430	✓		5	✓			✓	✓				✓
QA-1	10/13/05	0100	✓		2	✓			✓					

Comments / Remarks
WBS#
NWRTB-0095439-0-OML

8270c to include 1-methyl & 2-methyl naphthalenes.

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour
24 hour | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary | Type I - Full
Type VI (Raw Data) | Disk / EDD
WIP (RWQCB) | Standard Format
Disk | ____ Other.

	Date	Time		Date	Time
Relinquished by:	10/14/05	1530	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	10/15/05	0855

Temperature Upon Receipt 1.3 C°
Custody Seals Intact? Yes No

Lancaster Laboratories
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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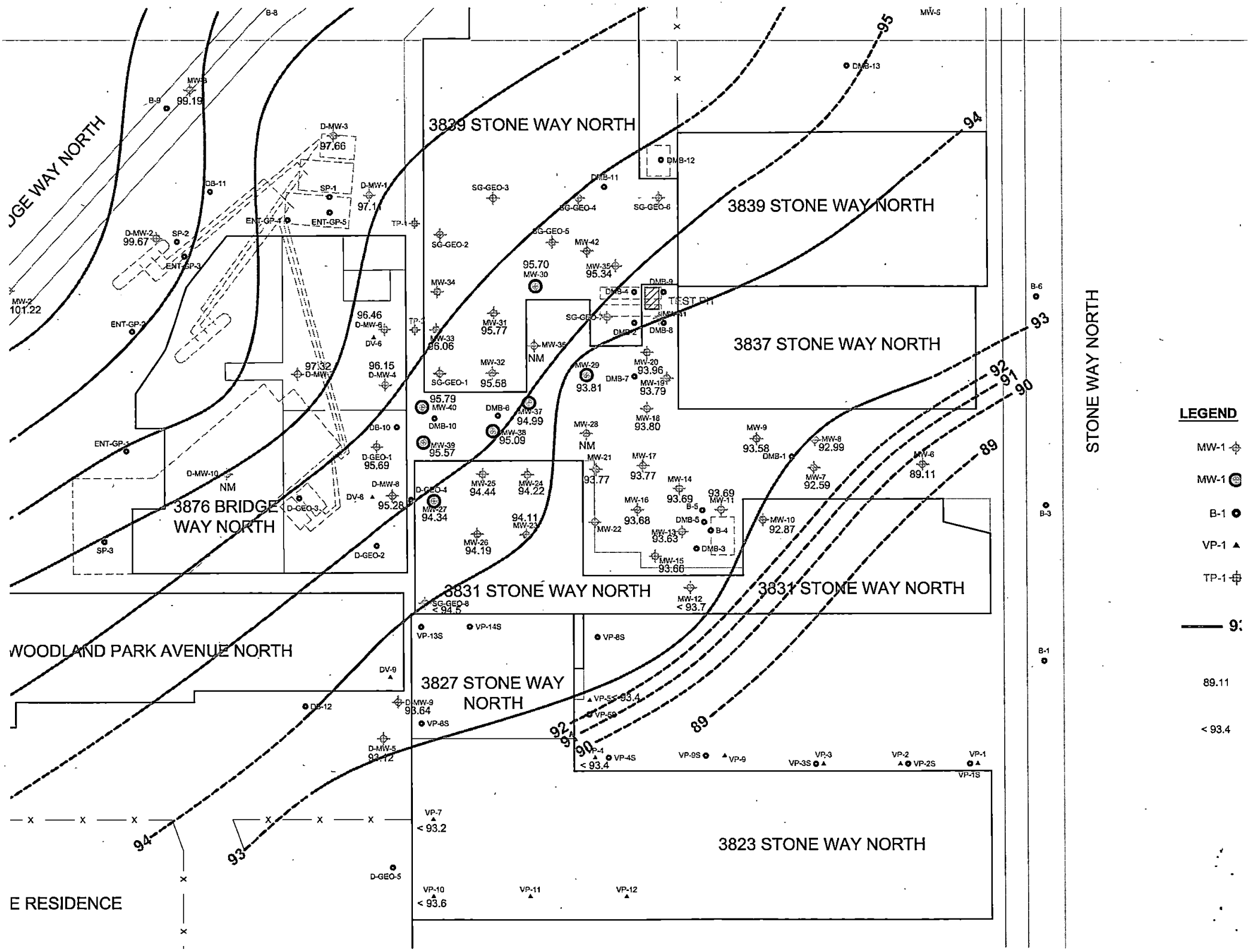
3839 STONE WAY NORTH
3839 STONE WAY NORTH
3837 STONE WAY NORTH
3876 BRIDGE WAY NORTH
3831 STONE WAY NORTH
3831 STONE WAY NORTH
3827 STONE WAY NORTH
3823 STONE WAY NORTH
WOODLAND PARK AVENUE NORTH
STONE WAY NORTH
E RESIDENCE
TEST PIT
LEGEND
MW-1
MW-1
B-1
VP-1
TP-1
89.11
< 93.4

Table 1

Ground Water Elevation and LNAPL Thickness Data - September 2005

Daviscourt / Union View / Campbell Groundwater Measurements
Chevron Facility #9-5439

Well No.	Total Well Depth (Feet)	Well TOC Elevation (Feet msl)	Depth to Groundwater (Feet)	Depth to top of LNAPL (Feet)	Thickness of LNAPL (Feet)	Groundwater Elevation[1] (Feet msl)	Measurement Date/Time	Field Comment
Upgradient Wells:								
MW-1	15	104.46	8.00	--	--	96.46	9/22/2005	Wellhead PID = 0.3 ppm
MW-2	20	108.64	7.42	--	--	101.22	9/22/2005	Wellhead PID = 0.3 ppm
MW-3	20	108.98	9.79	--	--	99.19	9/22/2005	Wellhead PID = 0.2 ppm
MW-4	30	109.59	11.75	--	--	97.84	9/22/2005	Wellhead PID = 0.3 ppm
MW-5	20	106.14	NM	--	--	--	--	Inaccessible
Daviscourt Wells:								
D-MW-1	20	109.69	12.58	--	--	97.11	9/22/2005	Wellhead PID = 0.3 ppm
D-MW-2	20	109.17	9.50	--	--	99.67	9/22/2005	Wellhead PID = 309 ppm
D-MW-3	20	109.34	11.68	--	--	97.66	9/22/2005	Wellhead PID = 0.3 ppm
D-MW-4	16	109.72	13.57	--	--	96.15	9/22/2005	Wellhead PID = 3.1 ppm
D-MW-5	20	107.00	13.88	--	--	93.12	9/22/2005	Wellhead PID = 13.7 ppm
D-MW-6	18	109.57	13.11	--	--	96.46	9/22/2005	Wellhead PID = 21.2 ppm
D-MW-7	20	109.73	12.41	--	--	97.32	9/22/2005	Wellhead PID = 202 ppm
D-MW-8	16	109.85	14.57	--	--	95.28	9/22/2005	Wellhead PID = 0.8 ppm
D-MW-9	20	106.94	13.30	--	--	93.64	9/22/2005	Wellhead PID = 18.1 ppm
D-MW-10	14.9	--	NM	--	--	--	--	Inaccessible
D-GEO-1	16.5	109.76	14.07	--	--	95.69	9/22/2005	Wellhead PID = 2.7 ppm
Union View Wells:								
MW-6	13.5	99.49	10.38	--	--	89.11	9/23/2005	
MW-7	9	100.93	8.34	--	--	92.59	9/23/2005	
MW-8	10	100.94	7.95	--	--	92.99	9/23/2005	
MW-9	9	100.99	7.41	--	--	93.58	9/23/2005	
MW-10	9	100.64	7.77	--	--	92.87	9/26/2005	
MW-11	15	100.82	7.14	--	--	93.69	9/23/2005	No well cap
MW-12	7.5	101.24	7.5 (dry)	--	--	< 93.7	9/26/2005	No well cap, total well depth = 7.5, trace water, probably dry
MW-13	10	100.87	7.24	--	--	93.63	9/23/2005	
MW-14	10	101.33	7.64	--	--	93.69	9/23/2005	
MW-15	10	101.15	7.49	--	--	93.66	9/23/2005	
MW-16	14	100.77	7.09	--	--	93.68	9/26/2005	
MW-17	9	101.36	7.59	--	--	93.77	9/23/2005	
MW-18	9	101.34	7.54	--	--	93.80	9/23/2005	
MW-19	9	101.41	7.62	--	--	93.79	9/23/2005	
MW-20	9	101.66	7.70	--	--	93.96	9/23/2005	No well cap
MW-21	9	101.11	7.34	--	--	93.77	9/23/2005	
MW-22	14	101.16	NM	--	--	--	9/23/2005	Inaccessible
MW-23	9	101.25	7.14	--	--	94.11	9/23/2005	
MW-24	9	101.29	7.07	--	--	94.22	9/23/2005	
MW-25	9	101.37	6.93	--	--	94.44	9/23/2005	No well cap
MW-26	9	101.47	7.28	--	--	94.19	9/23/2005	
MW-27	NA	101.64	8.00	7.12	0.88	94.34	9/23/2005	
MW-28	9	101.53	NM	--	--	--	9/23/2005	Inaccessible
MW-29	9	101.28	8.10	7.31	0.79	93.81	9/26/2005	Oil on the probe.
MW-30	9	101.58	6.22	5.79	0.43	95.70	9/23/2005	
MW-31	9	101.68	5.91	--	--	95.77	9/23/2005	No well cap
MW-32	9	101.45	5.87	--	--	95.58	9/23/2005	Strong product odor
MW-33	9	101.56	5.50	--	--	96.06	9/23/2005	
MW-34	9.5	101.63	NM	--	--	--	9/23/2005	Inaccessible
MW-35	9	101.63	6.29	--	--	95.34	9/23/2005	
MW-36	9	101.39	NM	--	--	--	9/23/2005	Inaccessible
MW-37	9	101.39	6.41	6.40	0.01	94.99	9/26/2005	
MW-38	9	101.52	7.81	6.09	1.72	95.09	9/23/2005	
MW-39	9	101.81	6.32	6.22	0.10	95.57	9/23/2005	
MW-40	9	101.71	6.10	5.88	0.23	95.79	9/23/2005	
MW-41	9	101.57	NM	--	--	--	--	Inaccessible
MW-42	9	101.57	NM	--	--	--	--	Inaccessible
SG-GEO-1	8	101.78	NM	--	--	--	--	
SG-GEO-2	8	101.73	NM	--	--	--	--	
SG-GEO-3	8	101.76	NM	--	--	--	--	
SG-GEO-4	8	101.70	NM	--	--	--	--	
SG-GEO-5	8	101.69	NM	--	--	--	--	
SG-GEO-6	9	101.72	NM	--	--	--	--	
SG-GEO-7	6.5	101.72	NM	--	--	--	--	
SG-GEO-8	11 or 7.5?	102.03	Dry	--	--	< 94.5	9/29/2005	well dry or obstructed at 7.5 f
Campbell Vapor Points (with groundwater in screen):								
VP-1	3.5	96.25	Dry	--	--	< 92.8	9/29/2005	
VP-4	1.8	95.17	Dry	--	--	< 93.4	9/29/2005	
VP-5	1.7	95.17	Dry	--	--	< 93.5	9/29/2005	
VP-7	2.1	95.26	Dry	--	--	< 93.2	9/29/2005	
VP-10	1.9	95.45	Dry	--	--	< 93.6	9/29/2005	
VP-11	3.2	--	Dry	--	--	--	9/29/2005	

1 = Groundwater elevations for wells containing LNAPL: TOC elevation – depth to groundwater + (8/10 thickness of LNAPL)
Groundwater elevations for wells without LNAPL: TOC elevation – depth to groundwater
TOC = Top of casing (PVC well casing) Feet msl = Feet above mean sea level
LNAPL = Light non-aqueous phase liquid (petroleum hydrocarbon)
NA = Not available -- = Not applicable