APPENDIX D

CalClean November 2, 2005 High Vacuum Dual Phase Extraction Report

CALCLEAN INC.

"A Partner in Protecting California's Waters"

November 2, 2005

Edd Clark & Associates, Inc.
P. O. Box 3039
Rohnert Park, CA 94927

ATTN: MR. JOHN CALOMORIS

SITE: 198 N. HIGH STREET
SEBASTOPOL, CALIFORNIA

RE: HIGH VACUUM DUAL PHASE EXTRACTION REPORT

Dear Mr. Calomoris:

CalClean Inc. is submitting this High Vacuum Dual Phase Extraction Report for the above referenced site. This report includes all activities performed between September 2 and October 21, 2005.

On September 2, 2005, CalClean began a 30-day high vacuum dual phase extraction (HVDPE) event on several onsite wells using a low-noise, truck-mounted 450-CFM high-vacuum liquid ring blower along with a Bay Area Air Quality Management District (BAAQMD) various locations permitted propane-fired thermal oxidizer (Plant No. 12568). This technology allows hydrocarbons to be simultaneously removed from the vadose zone, capillary fringe, and saturated soil zone. A high vacuum was applied for vapor extraction and drawdown of the groundwater table around the extraction wells, while vacuum and vapor flow rates were modified to optimize recovery of vapor, free-product (if any) and dissolved-phase hydrocarbons.

Due to requirements of the City of Sebastopol, the HVDPE system was shutdown on September 2, 2005. Upon receiving approval from the city on September 19, the event continued at the site until October 21. During the event, the high vacuum dual phase extraction (HVDPE) system was connected simultaneously to wells EW-1, EW-2 and/or MW-5, while induced vacuum response was measured in several observation wells. HVDPE activities were conducted for a total of 33 days during the HVDPE event.

Individual vapor samples were collected in Tedlar bags from wells EW-1, EW-2 and MW-5 when first connected, during the event and then again at the end of the event. Combined well vapor samples were also collected periodically during the event. The laboratory results, listed in Table 1 and laboratory reports included in Attachment 1, indicate the following:

- The starting Total Petroleum Hydrocarbons as Gasoline (TPH-G) vapor concentrations for wells EW-1, EW-2 and MW-5 were 4,000 ppmv, 270 ppmv, and 6,000 ppmv, respectively. The ending TPH-G concentrations were 440 ppmv, 344 ppmv, and 572 ppmv, respectively.

3002 Dow Avenue, Suite 142 • Tustin, CA 92780 • (714) 734-9137 • Fax (714) 734-9138

The starting and ending combined well TPH-G concentrations were 3,400 ppmv and 597 ppmv, respectively.

- The starting Benzene vapor concentrations for wells EW-1, EW-2 and MW-5 were 6.0 ppmv, 0.76 ppmv, and 8.9 ppmv, respectively. The ending Benzene concentrations were 0.15 ppmv, 0.35 ppmv, and 0.2 ppmv, respectively. The starting and ending combined well Benzene concentrations were 5.6 ppmv and 0.2 ppmv, respectively.

- The starting Methyl tert-Butyl Ether (MtBE) vapor concentrations for wells EW-1, EW-2 and MW-5 were ND<0.07 ppmv, ND<0.06 ppmv, and ND<0.07 ppmv, respectively. The ending MtBE concentrations were ND<0.5 ppmv, ND<0.5 ppmv, and 0.8 ppmv, respectively. The starting and ending combined well MtBE concentrations were ND<0.7 ppmv and 1.6 ppmv, respectively.

The total equivalent amount of hydrocarbons recovered through vapor extraction during the 33-day event was 845.25 pounds (based on laboratory data), and 745.66 pounds (based on the Horiba field organic vapor analyzer data) with an average of 795.45 pounds. The cumulative tabulation of recovered hydrocarbons (based on laboratory data) is provided in Table 2. The cumulative tabulation of recovered hydrocarbons (based on the field organic vapor analyzer data) is provided in Table 3. These results indicate that dual-phase vacuum extraction using a mobile high-vacuum system is acting as an effective remedial technology at this site in reducing Total Petroleum Hydrocarbons as Gasoline, BTEX and MtBE constituent concentrations in the vadose and saturated zone.

The total volume of hydrocarbon-affected groundwater recovered from the extraction well during the HVDPE event was approximately 117,460 gallons. The extracted water was treated onsite in a granular activated carbon canister system in accordance with the sewer discharge requirements for the city of Santa Rosa.

The following attachments are included to document the HVDPE event at the site:

Table 1	Results of Laboratory Analysis of Influent Vapor Samples
Table 2	High Vacuum Dual Phase Extraction Spreadsheet (using Lab Data)
Figure 1	Total Inlet HC Concentrations versus Time (33 Days, Using Lab Data)
Figure 2	Cumulative HC Recovered over 33 Days (using Lab Data)
Table 3	High Vacuum Dual Phase Extraction Data Spreadsheet (using Horiba Data)
Figure 3	Total Inlet HC Concentrations versus Time (33 Days, Using Horiba Data)
Figure 4	Cumulative HC Recovered over 33 Days (using Horiba Data)
Attachment 1	Laboratory Reports
Attachment 2	High Vacuum Dual Phase Extraction Field Data Sheet

It has been a pleasure working with you on this project. If you have any questions regarding this report, please contact us at (714) 734-9137 or via cell phone at (714) 936-2706.

Sincerely,

CALCLEAN INC.

Noel Shenoi
Principal Engineer

Attachments

CalClean Inc.

Table 1
RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES
198 N. High Street
Sebastopol, California

Sample ID/ Date	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MTBE (ppmv)
EW-1	9/2/2005 1235	4,000*	6*	58*	13*	44*	ND<0.07*
EW-1	10/3/2005 1300	695	0.2	10	10	35	ND<0.5
EW-1	10/21/2005 1230	440	0.15	6.4	7.6	25	ND<0.5
EW-2	9/2/2005 1215	270*	0.76*	9.2*	3.5*	13*	ND<0.06*
EW-2	10/3/2005 1115	344	0.35	4.7	4.4	15	ND<0.5
MW-5	9/2/2005 1225	6,000*	8.9*	91*	22*	75*	ND<0.07*
MW-5	10/3/2005 1245	661	0.45	11	8.2	28	ND<0.5
MW-5	10/21/2005 1215	572	0.2	7.8	9.2	30	0.8
COMBINED	9/2/2005 1200	3,400*	5.6*	50*	14*	48*	ND<0.7*
COMBINED	9/23/2005 1500	1,290	1.1	15	10	29	2.4
COMBINED	9/28/2005 1500	757	ND<0.001*	3.13*	2.31*	8.9*	ND<0.001*
COMBINED	10/2/2005 1820	859	0.8	18	9.8	29	ND<0.5

(Contd.)

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Table 1

RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES

198 N. High Street

Sebastopol, California

Sample ID/ Date	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MTBE (ppmv)
COMBINED	10/3/2005 1230	901	0.4	17	12	38	0.9
COMBINED	10/9/2005 1230	694	0.55	16	6.4	16	1.1
COMBINED	10/14/2005 0830	272	0.13	4.8	4.2	14	0.38
COMBINED	10/17/2005 1530	515	0.4	8.6	8.5	31	1.4
COMBINED	10/21/2005 1200	597	0.2	9	9.8	32	1.6
STACK	9/2/2005 1205	ND<5*	ND<0.05*	ND<0.05*	ND<0.05*	ND<0.05*	ND<0.05*
STACK	10/3/2005 1310	ND<5	ND<0.01	ND<0.01	ND<0.01	ND<0.03	ND<0.1

Notes:

ppmv = parts per million by volume

TPH - g = total petroleum hydrocarbons - gasoline

Samples analyzed by EPA 8015/8021

MTBE = methyl tertiary butyl ether

* Samples analyzed by EPA 8260B

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Table 2

HIGH VACUUM DUAL PHASE EXTRACTION SPREADSHEET (Using Lab Data)

198 N. High Street, Sebastopol, CA

TIME	SYSTEM PARAMETERS			Hydrocarbon Recovery		
	Average System Vacuum (in of Hg)	Average Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution* (ppmv)	(lbs)	(gal)	(Cumul. lbs)
9/2/2005 11:00	24	110	3,400	0.00	0.00	0
9/2/2005 16:10	24	107	2,140	21.14	3.38	21.14
9/19/2005 15:00	23	113	2,270	0.00	0.00	21.14
9/23/2005 15:00	23	115	1,290	265.22	42.45	286.37
9/28/2005 15:00	23	113	757	190.63	30.51	477.00
10/2/2005 18:20	23	114	859	124.03	19.85	601.02
10/3/2005 12:30	25	58	901	18.72	3.00	619.74
10/9/2005 12:30	21	87	694	113.36	18.14	733.10
10/14/2005 8:30	23	54	272	53.78	8.61	786.88
10/17/2005 17:30	23	54	515	23.43	3.75	810.31
10/21/2005 12:00	24	48	597	34.94	5.59	845.25
	TOTAL HC RECOVERED* - LAB DATA			**845.25**	**135.29**	
	TOTAL HC RECOVERED - FIELD ANALYZER DATA**			**745.66**	**119.35**	
	Average HC Recovered* (Field Analyzer/Lab Data)**			**795.45**	**127.32**	

TOTAL GROUNDWATER RECOVERED	**117,460**

in of Hg = inches of mercury
ppmv = parts per million by volume
gal = gallons
scfm = standard cubic feet per minute
lbs = pounds
* Concentration data based on laboratory data.
** Based on Horiba field analyzer data.
*** Average HC Recovered using Laboratory and Horiba data

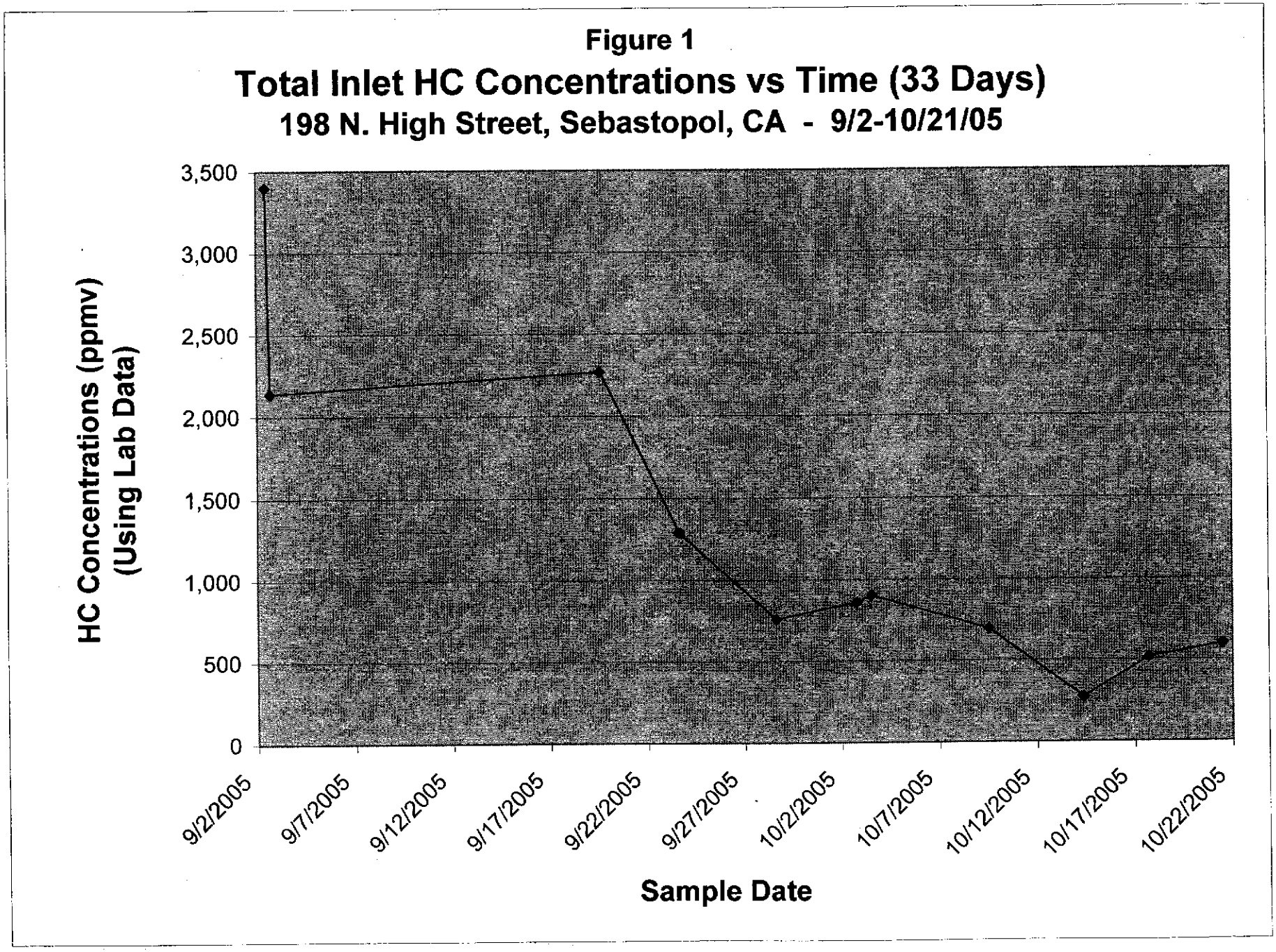
Figure 1
Total Inlet HC Concentrations vs Time (33 Days)
198 N. High Street, Sebastopol, CA - 9/2-10/21/05
HC Concentrations (ppmv)
(Using Lab Data)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
9/2/2005
9/7/2005
9/12/2005
9/17/2005
9/22/2005
9/27/2005
10/2/2005
10/7/2005
10/12/2005
10/17/2005
10/22/2005
Sample Date

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Figure 2
Cumulative HC Recovered Over 33 Days
198 N. High Street, Sebastopol, CA - 9/2-10/21/05

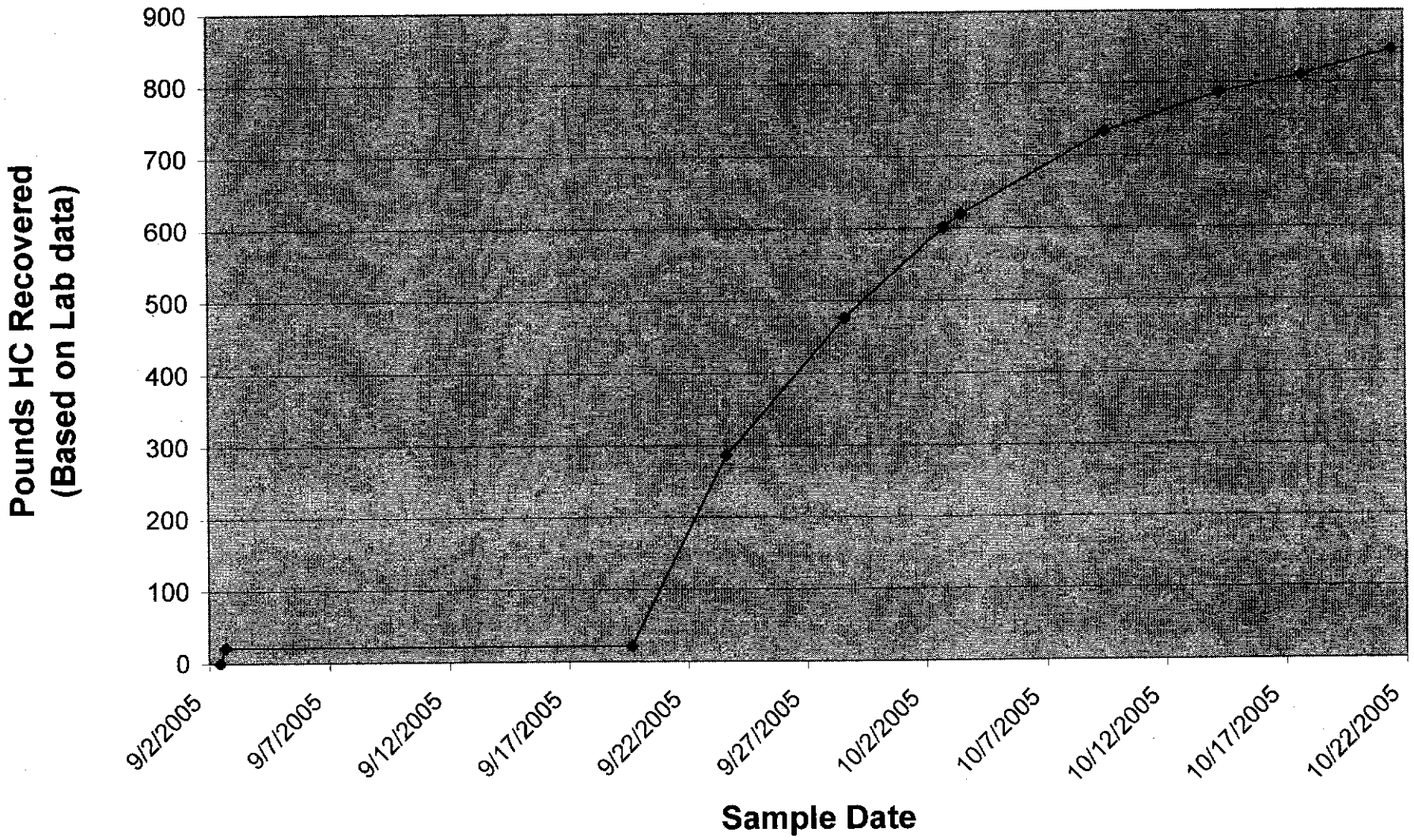

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Table 3

HIGH VACUUM DUAL PHASE EXTRACTION DATA SPREADSHEET (Using Field Data)

198 N. High Street, Sebastopol, CA

TIME	Extraction Well # MW-5 (Stinger Depth)	Extraction Well # EW-1 (Stinger Depth)	Extraction Well # EW-2 (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS System Vacuum (in of Hg)	Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution * (ppmv)	Effluent Concentrations (ppmv) *	Hydrocarbon Recovery (using Horiba Data) (lbs)	(gal)	(Cumul. lbs)
9/2/2005 11:00	23'	28'	28'			24	110	1,962	2	0.00	0.00	0
9/2/2005 12:00	23'	28'	28'			23	115	2,820		3.66	0.59	3.66
9/2/2005 13:00	23'	28'	28'			23	115	2,640		4.27	0.68	7.94
9/2/2005 14:00	23'	28'	28'			23	113	2,410		3.92	0.63	11.86
9/2/2005 15:00	23'	28'	28'			23	116	2,290		3.66	0.59	15.52
9/2/2005 16:00	23'	28'	28'			24	107	2,140		3.36	0.54	18.88
9/2/2005 16:10	23'	28'	28'			24	107	2,140		0.52	0.08	19.40
9/19/2005 15:00	23'	28'	28'			23	113	2,270	3	0.00	0.00	19.40
9/20/2005 8:00	23'	28'	28'			24	109	2,170		57.04	9.13	76.44
9/20/2005 12:00	23'	28'	28'			25	102	2,170		12.47	2.00	88.90
9/20/2005 16:00	23'	28'	28'			25	100	2,490		12.82	2.05	101.72
9/20/2005 20:00	23'	28'	28'			25	101	2,620		13.98	2.24	115.70
9/21/2005 8:00	23'	28'	28'			24	111	2,290		42.52	6.81	158.22
9/21/2005 12:00	23'	28'	28'			24	111	2,290		13.84	2.22	172.06
9/21/2005 16:00	23'	28'	28'			24	113	2,290		13.97	2.24	186.03
9/21/2005 20:00	23'	28'	28'			24	110	2,170		13.54	2.17	199.57
9/22/2005 8:00	23'	28'	28'			24	99	1,840		34.23	5.48	233.80
9/22/2005 12:00	23'	28'	28'			23	113	1,840		10.62	1.70	244.43
9/22/2005 16:00	23'	28'	28'			23	111	1,840		11.22	1.80	255.65
9/22/2005 20:00	23'	28'	28'			23	114	1,510		10.26	1.64	265.91
9/23/2005 8:00	23'	28'	28'			23	111	1,390		26.65	4.27	292.56
9/23/2005 12:00	23'	28'	28'			23	114	1,153		7.79	1.25	300.35
9/23/2005 16:00	23'	28'	28'			23	115	1,007		6.73	1.08	307.09
9/23/2005 20:00	23'	28'	28'			23	114	800		5.63	0.90	312.72
9/24/2005 8:00	23'	28'	28'			23	112	875		15.46	2.47	328.18
9/24/2005 12:00	23'	28'	28'			23	110	833		5.16	0.83	333.35
9/24/2005 16:00	23'	28'	28'			23	113	789		4.92	0.79	338.27
9/24/2005 20:00	23'	28'	28'			23	110	721		4.58	0.73	342.86
9/25/2005 8:00	23'	28'	28'			23	115	688		12.95	2.07	355.80
9/25/2005 12:00	23'	28'	28'			23	112	660		4.17	0.67	359.97

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Table 3

HIGH VACUUM DUAL PHASE EXTRACTION DATA SPREADSHEET (Using Field Data)

198 N. High Street, Sebastopol, CA

TIME	Extraction Well # MW-5 (Stinger Depth)	Extraction Well # EW-1 (Stinger Depth)	Extraction Well # EW-2 (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS System Vacuum (in of Hg)	Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution * (ppmv)	Effluent Concentrations (ppmv) *	Hydrocarbon Recovery (using Horiba Data) (lbs)	(gal)	(Cumul. lbs)
9/25/2005 16:00	23'	28'	28'			23	113	627		3.94	0.63	363.91
9/25/2005 20:00	23'	28'	28'			23	111	604		3.75	0.60	367.67
9/26/2005 8:00	23'	28'	28'			23	110	627		11.11	1.78	378.78
9/26/2005 12:00	23'	28'	28'			23	114	670		3.96	0.63	382.73
9/26/2005 16:00	23'	28'	28'			23	111	725		4.27	0.68	387.01
9/26/2005 20:00	23'	28'	28'			23	109	788		4.53	0.73	391.54
9/27/2005 8:00	23'	28'	28'			23	111	807		14.33	2.29	405.87
9/27/2005 12:00	23'	28'	28'			23	115	790		4.91	0.79	410.79
9/27/2005 16:00	23'	28'	28'			23	113	833		5.04	0.81	415.82
9/27/2005 20:00	23'	28'	28'			23	113	890		5.30	0.85	421.13
9/28/2005 8:00	23'	28'	28'			23	112	860		16.08	2.57	437.21
9/28/2005 12:00	23'	28'	28'			23	114	822		5.18	0.83	442.38
9/28/2005 16:00	23'	28'	28'			23	113	793		4.99	0.80	447.38
9/28/2005 20:00	23'	28'	28'			23	110	748		4.68	0.75	452.05
9/29/2005 8:00	23'	28'	28'			23	111	766		13.67	2.19	465.72
9/29/2005 12:00	23'	28'	28'			23	113	735		4.58	0.73	470.30
9/29/2005 16:00	23'	28'	28'			23	115	720		4.52	0.72	474.82
9/29/2005 20:00	23'	28'	28'			23	113	698		4.40	0.70	479.22
9/30/2005 8:00	23'	28'	28'			23	110	681		12.56	2.01	491.78
9/30/2005 12:00	23'	28'	28'			23	113	704		4.21	0.67	495.98
9/30/2005 16:00	23'	28'	28'			23	113	676		4.25	0.68	500.23
9/30/2005 20:00	23'	28'	28'			23	112	662		4.10	0.66	504.33
10/1/2005 8:00	23'	28'	28'			23	111	657		12.01	1.92	516.34
10/1/2005 12:00	23'	28'	28'			23	114	641		3.98	0.64	520.32
10/1/2005 16:00	23'	28'	28'			23	115	629		3.96	0.63	524.28
10/1/2005 20:00	23'	28'	28'			23	112	615		3.84	0.62	528.12
10/2/2005 8:00	23'	28'	28'			23	112	603		11.14	1.78	539.27
10/2/2005 12:00	23'	28'	28'			23	116	590		3.70	0.59	542.97
10/2/2005 16:00	23'	28'	28'			23	113	589		3.68	0.59	546.65
10/2/2005 20:00	23'	28'	28'			23	114	580		3.61	0.58	550.26

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Table 3

HIGH VACUUM DUAL PHASE EXTRACTION DATA SPREADSHEET (Using Field Data)

198 N. High Street, Sebastopol, CA

TIME	Extraction Well # MW-5 (Stinger Depth)	Extraction Well # EW-1 (Stinger Depth)	Extraction Well # EW-2 (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS System Vacuum (in of Hg)	Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution * (ppmv)	Effluent Concentrations (ppmv) *	Hydrocarbon Recovery (using Horiba Data) (lbs)	(gal)	(Cumul. lbs)
10/3/2005 8:00	23'	28'	28'			23	110	573		10.55	1.69	560.81
10/3/2005 12:00	23'	28'	closed			25	58	517	4	2.49	0.40	563.30
10/3/2005 16:00	23'	28'				25	58	531		1.66	0.26	564.96
10/3/2005 20:00	23'	28'				25	60	550		1.74	0.28	566.69
10/4/2005 8:00	23'	28'				25	57	740		6.16	0.99	572.86
10/4/2005 12:00	23'	28'				25	59	660		2.21	0.35	575.07
10/4/2005 16:00	23'	28'				25	61	637		2.12	0.34	577.19
10/4/2005 20:00	23'	28'				25	60	612		2.06	0.33	579.25
10/5/2005 8:00	23'	28'				23	75	590		6.63	1.06	585.87
10/5/2005 12:00	23'	28'				23	73	559		2.32	0.37	588.19
10/5/2005 16:00	23'	28'				23	73	602		2.31	0.37	590.50
10/5/2005 20:00	23'	28'				23	76	585		2.41	0.39	592.90
10/6/2005 8:00	23'	28'				23	74	560		7.02	1.12	599.92
10/6/2005 12:00	23'	28'				23	76	546		2.26	0.36	602.18
10/6/2005 16:00	23'	28'				21	87	524		2.37	0.38	604.55
10/6/2005 20:00	23'	28'				21	89	499		2.45	0.39	607.00
10/7/2005 8:00	23'	28'				21	89	481		7.12	1.14	614.13
10/7/2005 12:00	23'	28'				21	88	468		2.29	0.37	616.42
10/7/2005 16:00	23'	28'				21	86	450		2.17	0.35	618.59
10/7/2005 20:00	23'	28'				21	88	436		2.10	0.34	620.69
10/8/2005 8:00	23'	28'				21	89	474		6.58	1.05	627.27
10/8/2005 12:00	23'	28'				21	91	531		2.46	0.39	629.73
10/8/2005 16:00	23'	28'				21	89	498		2.52	0.40	632.25
10/8/2005 20:00	23'	28'				21	88	483		2.36	0.38	634.62
10/9/2005 8:00	23'	28'				21	86	515		7.09	1.14	641.71
10/9/2005 12:00	23'	28'				21	88	500		2.40	0.38	644.11
10/9/2005 16:00	23'	28'				21	87	488		2.35	0.38	646.47
10/9/2005 20:00	23'	28'				21	86	472		2.26	0.36	648.73
10/10/2005 8:00	23'	28'				21	89	459		6.65	1.07	655.38
10/10/2005 12:00	23'	28'				21	86	480		2.24	0.36	657.62

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Table 3

HIGH VACUUM DUAL PHASE EXTRACTION DATA SPREADSHEET (Using Field Data)

198 N. High Street, Sebastopol, CA

TIME	Extraction Well # MW-5 (Stinger Depth)	Extraction Well # EW-1 (Stinger Depth)	Extraction Well # EW-2 (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS System Vacuum (in of Hg)	Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution * (ppmv)	Effluent Concentrations (ppmv) *	Hydrocarbon Recovery (using Horiba Data) (lbs)	(gal)	(Cumul. lbs)
10/11/2005 20:00	23'	28'				21	87	583		20.03	3.21	677.65
10/12/2005 8:00	23'	28'				21	85	558		8.02	1.28	685.67
10/12/2005 12:00	23'	28'				21	88	529		2.56	0.41	688.23
10/12/2005 16:00	23'	28'				21	86	505		2.45	0.39	690.68
10/12/2005 20:00	23'	28'				21	85	486		2.31	0.37	692.99
10/13/2005 8:00	23'	28'				21	87	473		6.74	1.08	699.72
10/13/2005 12:00	23'	28'				21	85	449		2.16	0.35	701.88
10/13/2005 16:00	23'	28'				23	56	430		1.69	0.27	703.57
10/13/2005 20:00	23'	28'				23	54	417		1.27	0.20	704.84
10/14/2005 8:00	23'	28'				23	54	387		3.55	0.57	708.38
10/14/2005 12:00	23'	28'				23	57	355		1.12	0.18	709.51
10/14/2005 16:00	23'	28'	28'			23	59	342		1.10	0.18	710.61
10/14/2005 20:00	23'	28'	28'			22	68	333		1.17	0.19	711.77
10/15/2005 8:00	23'	28'	28'			22	71	310		3.65	0.58	715.42
10/15/2005 12:00	23'	28'	28'			22	70	300		1.17	0.19	716.59
10/15/2005 16:00	23'	28'	28'			22	69	293		1.12	0.18	717.72
10/15/2005 20:00	23'	28'	28'			22	70	286		1.10	0.18	718.81
10/16/2005 8:00	23'	28'	28'			21	85	277		3.56	0.57	722.38
10/16/2005 12:00	23'	28'	28'			23	57	266		1.05	0.17	723.43
10/16/2005 16:00	23'	28'	28'			23	59	256		0.82	0.13	724.25
10/16/2005 20:00	23'	28'	28'			22	71	250		0.90	0.14	725.15
10/17/2005 8:00	23'	28'	28'			21	86	252		3.22	0.52	728.37
10/17/2005 12:00	23'	28'	28'			23	57	247		0.97	0.16	729.34
10/17/2005 16:00	23'	28'	28'			23	54	239		0.73	0.12	730.07
10/17/2005 20:00	23'	28'	28'			21	84	232		0.88	0.14	730.96
10/18/2005 8:00	23'	28'	28'			21	86	238		3.26	0.52	734.22
10/18/2005 12:00	23'	28'	closed			22	68	230		0.98	0.16	735.20
10/18/2005 16:00	23'	28'				24	46	235		0.72	0.12	735.92
10/18/2005 20:00	23'	28'				24	48	227		0.59	0.09	736.51
10/19/2005 8:00	23'	28'				24	45	238		1.77	0.28	738.28

CalClean Inc.

Table 3

HIGH VACUUM DUAL PHASE EXTRACTION DATA SPREADSHEET (Using Field Data)

198 N. High Street, Sebastopol, CA

TIME	Extraction Well # MW-5 (Stinger Depth)	Extraction Well # EW-1 (Stinger Depth)	Extraction Well # EW-2 (Stinger Depth)	Extraction Well # (Stinger Depth)	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS System Vacuum (in of Hg)	Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution * (ppmv)	Effluent Concentrations (ppmv) *	Hydrocarbon Recovery (using Horiba Data) (lbs)	(gal)	(Cumul. lbs)
10/19/2005 12:00	23'	28'				24	47	245		0.60	0.10	738.89
10/19/2005 16:00	23'	28'				24	45	253		0.62	0.10	739.51
10/19/2005 20:00	23'	28'				24	46	247		0.62	0.10	740.13
10/20/2005 8:00	23'	28'				24	45	229		1.77	0.28	741.90
10/20/2005 12:00	23'	28'				24	47	225		0.57	0.09	742.47
10/20/2005 16:00	23'	28'				24	47	217		0.57	0.09	743.03
10/20/2005 20:00	23'	28'				24	46	210		0.54	0.09	743.57
10/21/2005 8:00	23'	28'				24	46	199		1.54	0.25	745.11
10/21/2005 12:00	23'	28'				24	48	227		0.55	0.09	745.66
								Total Hydrocarbons Recovered		745.66	119.35	
								Total Liquid Recovered			117,460	

Comments: Manual dilution was not opened during the event.

in of Hg = inches of mercury scfm = standard cubic feet per minute gal = gallons lbs = pounds

* Concentrations based on Horiba MEXA 324-JU field organic vapor analyzer, calibrated as hexane

** Inlet flow measured through orifice tube and converted from acfm to reported scfm

Figure 3

Total Inlet HC Concentrations vs Time (33 Days)

198 N. High Street, Sebastopol, CA - 9/2-10/21/05

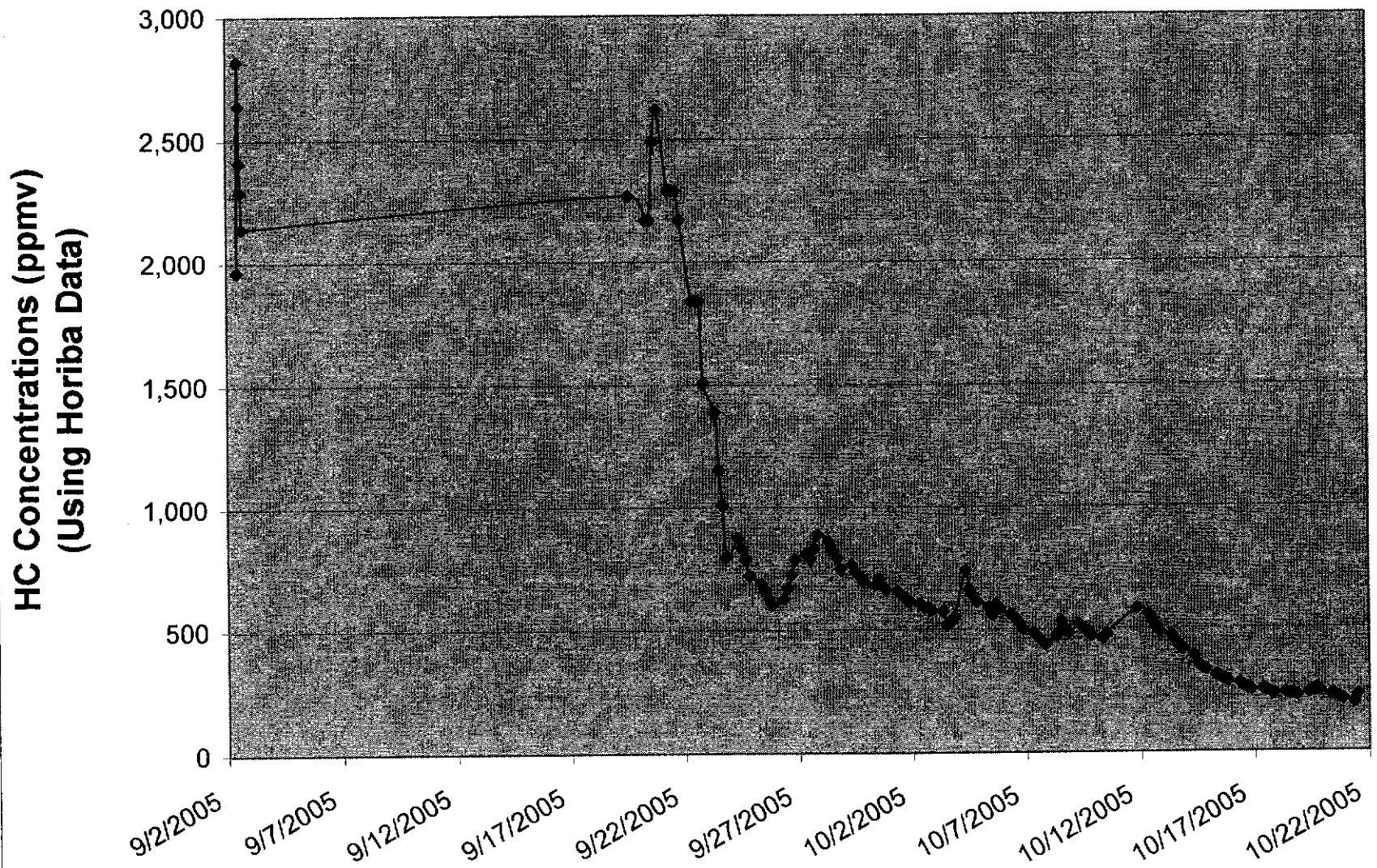
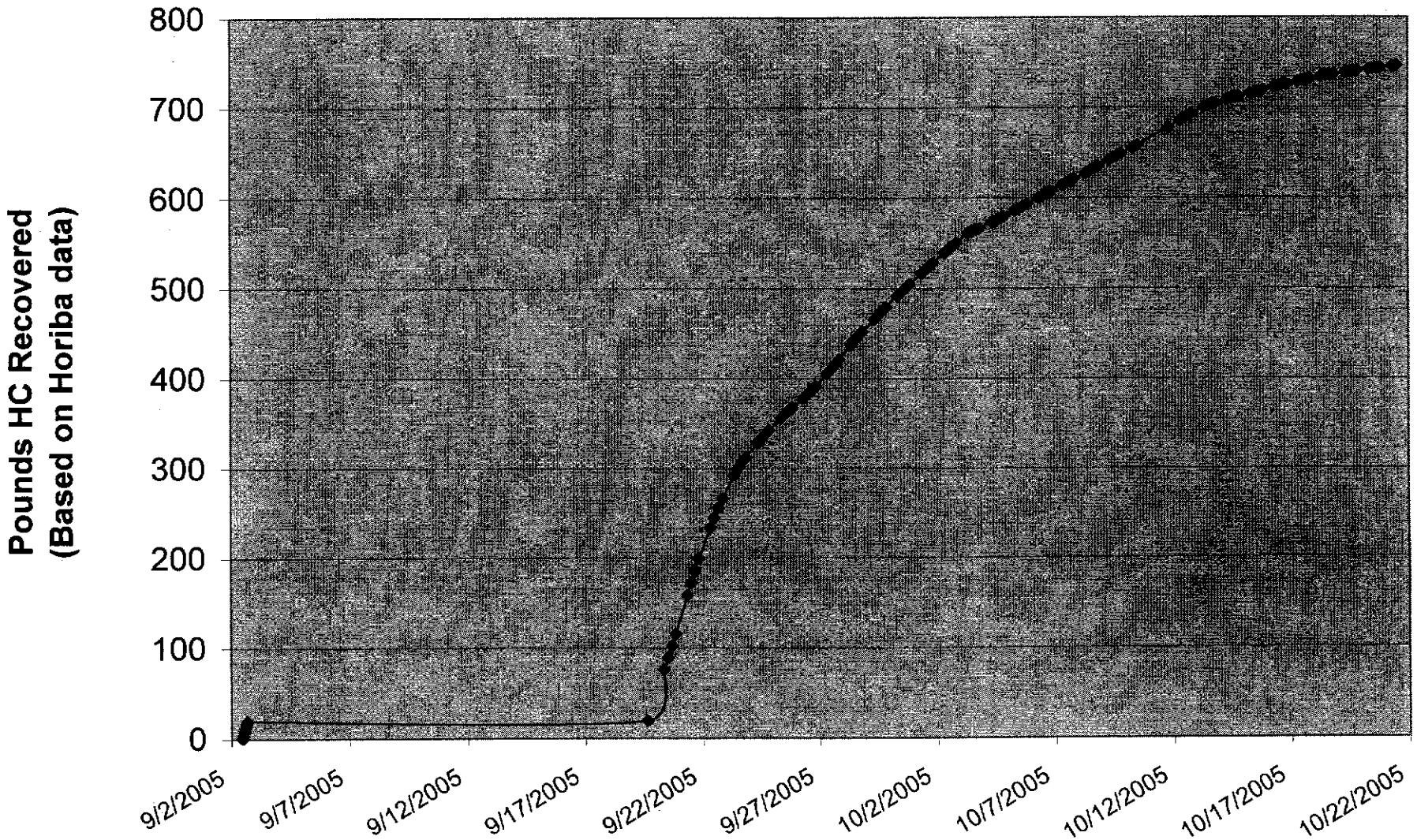


Figure 4
Cumulative HC Recovered Over 33 Days
198 N. High Street, Sebastopol, CA - 9/2-10/21/05



ATTACHMENT 1

LABORATORY REPORTS

KIFF Analytical LLC

Report Number : 45728
Date : 09/13/2005

Noel Shenoi
Cal Clean
3002 Dow Avenue #142
Tustin, CA 92780

Subject : 5 Vapor Samples
Project Name : 198 HIGH ST
Project Number :

Dear Mr. Shenoi,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 45728

Date : 09/13/2005

Sample : **COMBINED START**

Project Name : **198 HIGH ST**

Project Number :

Lab Number : 45728-01 Date Analyzed : 09/03/05

Matrix : Air Sample Date :09/02/2005 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Benzene	**18**	2.5	mg/m3
Toluene	**190**	2.5	mg/m3
Ethylbenzene	**62**	2.5	mg/m3
Total Xylenes	**210**	2.5	mg/m3
Methyl-t-butyl ether (MTBE)	< 2.5	2.5	mg/m3
Diisopropyl ether (DIPE)	< 2.5	2.5	mg/m3
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	mg/m3
Tert-amyl methyl ether (TAME)	< 2.5	2.5	mg/m3
Tert-Butanol	< 15	15	mg/m3
TPH as Gasoline	**14000**	250	mg/m3
Benzene (in ppmv)	**5.6**	0.80	ppmv
Toluene (in ppmv)	**50**	0.70	ppmv
Ethylbenzene (in ppmv)	**14**	0.60	ppmv
Total Xylenes (in ppmv)	**48**	0.60	ppmv
Methyl-t-butyl ether (in ppmv)	< 0.70	0.70	ppmv
Diisopropyl ether (in ppmv)	< 0.60	0.60	ppmv
Ethyl-t-butyl ether (in ppmv)	< 0.60	0.60	ppmv
Tert-amyl methyl ether (in ppmv)	< 0.60	0.60	ppmv
Tert-Butanol (in ppmv)	< 5.0	5.0	ppmv
TPH as Gasoline (in ppmv)	**3400**	70	ppmv
Dibromofluoromethane (Surr)	103		% Recovery
Toluene - d8 (Surr)	96.9		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 45728
Date : 09/13/2005

Sample : **STACK START**
Project Name : **198 HIGH ST**
Project Number :
Lab Number : 45728-02 Date Analyzed : 09/03/05
Matrix : Air Sample Date : 09/02/2005 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Benzene	< 0.20	0.20	mg/m3
Toluene	< 0.20	0.20	mg/m3
Ethylbenzene	< 0.20	0.20	mg/m3
Total Xylenes	< 0.20	0.20	mg/m3
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3
Diisopropyl ether (DIPE)	< 0.20	0.20	mg/m3
Ethyl-t-butyl ether (ETBE)	< 0.20	0.20	mg/m3
Tert-amyl methyl ether (TAME)	< 0.20	0.20	mg/m3
Tert-Butanol	< 2.0	2.0	mg/m3
TPH as Gasoline	< 20	20	mg/m3
Benzene (in ppmv)	< 0.050	0.050	ppmv
Toluene (in ppmv)	< 0.050	0.050	ppmv
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv
Methyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv
Diisopropyl ether (in ppmv)	< 0.050	0.050	ppmv
Ethyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv
Tert-amyl methyl ether (in ppmv)	< 0.050	0.050	ppmv
Tert-Butanol (in ppmv)	< 0.50	0.50	ppmv
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv
Dibromofluoromethane (Surr)	103		% Recovery
Toluene - d8 (Surr)	98.0		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 45728
Date : 09/13/2005

Sample : **EW-2 START**

Project Name : **198 HIGH ST**

Project Number :

Lab Number : 45728-03 Date Analyzed : 09/03/05

Matrix : Air Sample Date :09/02/2005 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Benzene	**2.5**	0.25	mg/m3
Toluene	**35**	0.25	mg/m3
Ethylbenzene	**15**	0.25	mg/m3
Total Xylenes	**58**	0.25	mg/m3
Methyl-t-butyl ether (MTBE)	< 0.25	0.25	mg/m3
Diisopropyl ether (DIPE)	< 0.25	0.25	mg/m3
Ethyl-t-butyl ether (ETBE)	< 0.25	0.25	mg/m3
Tert-amyl methyl ether (TAME)	< 0.25	0.25	mg/m3
Tert-Butanol	< 2.0	2.0	mg/m3
TPH as Gasoline	**1000**	25	mg/m3
Benzene (in ppmv)	**0.76**	0.070	ppmv
Toluene (in ppmv)	**9.2**	0.060	ppmv
Ethylbenzene (in ppmv)	**3.5**	0.050	ppmv
Total Xylenes (in ppmv)	**13**	0.050	ppmv
Methyl-t-butyl ether (in ppmv)	< 0.060	0.060	ppmv
Diisopropyl ether (in ppmv)	< 0.050	0.050	ppmv
Ethyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv
Tert-amyl methyl ether (in ppmv)	< 0.050	0.050	ppmv
Tert-Butanol (in ppmv)	< 0.50	0.50	ppmv
TPH as Gasoline (in ppmv)	**270**	6.0	ppmv
Dibromofluoromethane (Surr)	103		% Recovery
Toluene - d8 (Surr)	99.3		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 45728

Date : 09/13/2005

Sample : **MW-5 START**

Project Name : **198 HIGH ST**

Project Number :

Lab Number : 45728-04 Date Analyzed : 09/02/05

Matrix : Air Sample Date :09/02/2005 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Benzene	**29**	2.5	mg/m3
Toluene	**350**	2.5	mg/m3
Ethylbenzene	**99**	2.5	mg/m3
Total Xylenes	**330**	2.5	mg/m3
Methyl-t-butyl ether (MTBE)	< 2.5	2.5	mg/m3
Diisopropyl ether (DIPE)	< 2.5	2.5	mg/m3
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	mg/m3
Tert-amyl methyl ether (TAME)	< 2.5	2.5	mg/m3
Tert-Butanol	< 15	15	mg/m3
TPH as Gasoline	**24000**	250	mg/m3
Benzene (in ppmv)	**8.9**	0.80	ppmv
Toluene (in ppmv)	**91**	0.70	ppmv
Ethylbenzene (in ppmv)	**22**	0.60	ppmv
Total Xylenes (in ppmv)	**75**	0.60	ppmv
Methyl-t-butyl ether (in ppmv)	< 0.70	0.70	ppmv
Diisopropyl ether (in ppmv)	< 0.60	0.60	ppmv
Ethyl-t-butyl ether (in ppmv)	< 0.60	0.60	ppmv
Tert-amyl methyl ether (in ppmv)	< 0.60	0.60	ppmv
Tert-Butanol (in ppmv)	< 5.0	5.0	ppmv
TPH as Gasoline (in ppmv)	**6000**	70	ppmv
Dibromofluoromethane (Surr)	98.6		% Recovery
Toluene - d8 (Surr)	97.0		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 45728
Date : 09/13/2005

Sample : **EW-1 START**

Project Name : **198 HIGH ST**

Project Number :

Lab Number : 45728-05 Date Analyzed : 09/02/05

Matrix : Air Sample Date : 09/02/2005 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
Benzene	**19**	2.5	mg/m3
Toluene	**220**	2.5	mg/m3
Ethylbenzene	**58**	2.5	mg/m3
Total Xylenes	**190**	2.5	mg/m3
Methyl-t-butyl ether (MTBE)	< 2.5	2.5	mg/m3
Diisopropyl ether (DIPE)	< 2.5	2.5	mg/m3
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	mg/m3
Tert-amyl methyl ether (TAME)	< 2.5	2.5	mg/m3
Tert-Butanol	< 15	15	mg/m3
TPH as Gasoline	**16000**	250	mg/m3
Benzene (in ppmv)	**6.0**	0.80	ppmv
Toluene (in ppmv)	**58**	0.70	ppmv
Ethylbenzene (in ppmv)	**13**	0.60	ppmv
Total Xylenes (in ppmv)	**44**	0.60	ppmv
Methyl-t-butyl ether (in ppmv)	< 0.70	0.70	ppmv
Diisopropyl ether (in ppmv)	< 0.60	0.60	ppmv
Ethyl-t-butyl ether (in ppmv)	< 0.60	0.60	ppmv
Tert-amyl methyl ether (in ppmv)	< 0.60	0.60	ppmv
Tert-Butanol (in ppmv)	< 5.0	5.0	ppmv
TPH as Gasoline (in ppmv)	**4000**	70	ppmv
Dibromofluoromethane (Surr)	94.3		% Recovery
Toluene - d8 (Surr)	96.2		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 45728

Date : 09/13/2005

QC Report : Method Blank Data

Project Name : **198 HIGH ST**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Diisopropyl ether (DIPE)	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Ethyl-t-butyl ether (ETBE)	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Tert-amyl methyl ether (TAME)	< 0.20	0.20	mg/m3	EPA 8260B	09/02/2005
Tert-Butanol	< 2.0	2.0	mg/m3	EPA 8260B	09/02/2005
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	09/02/2005
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Methyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Diisopropyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Ethyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Tert-amyl methyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/02/2005
Tert-Butanol (in ppmv)	< 0.50	0.50	ppmv	EPA 8260B	09/02/2005
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	09/02/2005
Dibromofluoromethane (Surr)	96.5		%	EPA 8260B	09/02/2005
Toluene - d8 (Surr)	99.4		%	EPA 8260B	09/02/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Toluene	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Ethylbenzene	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Total Xylenes	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Methyl-t-butyl ether (MTBE)	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Diisopropyl ether (DIPE)	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Ethyl-t-butyl ether (ETBE)	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Tert-amyl methyl ether (TAME)	< 0.20	0.20	mg/m3	EPA 8260B	09/03/2005
Tert-Butanol	< 2.0	2.0	mg/m3	EPA 8260B	09/03/2005
TPH as Gasoline	< 20	20	mg/m3	EPA 8260B	09/03/2005
Benzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Toluene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Ethylbenzene (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Total Xylenes (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Methyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Diisopropyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Ethyl-t-butyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Tert-amyl methyl ether (in ppmv)	< 0.050	0.050	ppmv	EPA 8260B	09/03/2005
Tert-Butanol (in ppmv)	< 0.50	0.50	ppmv	EPA 8260B	09/03/2005
TPH as Gasoline (in ppmv)	< 5.0	5.0	ppmv	EPA 8260B	09/03/2005
Dibromofluoromethane (Surr)	100		%	EPA 8260B	09/03/2005
Toluene - d8 (Surr)	98.8		%	EPA 8260B	09/03/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 45728

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): noelsherri@calclean.com

California EDF Report? ☐ Yes ☒ No

Company / Address: CALCLEAN INC

Sampling Company Log Code:

Phone #: Fax #:

Global ID:

Project #: P.O. #:

EDF Deliverable To (Email Address):

Project Name: 198 HIGH ST

Sampler Signature: NOEL SHERRI VAL GARCIA

Project Address: SEBASTOPOL

Sample Designation	Sampling Date	Sampling Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar		HCl	HNO_3	None			Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 8010)	W.E.T. Lead (STLC)				For Lab Use Only
COMBINED START	9/2/05	1200					X				X					X			X	X	X													-01
STACK START		1205																																-02
EW-2 START		1215																																-03
MW-5 START		1225																																-04
EW-1 START		1235																																-05

TAT: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☒ 1 wk

Relinquished by:	Date	Time	Received by:
Noel Sherri	9/2/05	1554	
	090205	1555	Received by Laboratory: Kiff Analytical

Remarks: email to noelsherri@calclean.com

Bill to: CALCLEAN

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

KIFF Analytical LLC

Report Number : 45729
Date : 9/12/2005

Noel Shenoi
Cal Clean
3002 Dow Avenue #142
Tustin, CA 92780

Subject : 1 Water Sample
Project Name : 198 HIGH ST
Project Number :

Dear Mr. Shenoi,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 45729

Date : 9/12/2005

Project Name : **198 HIGH ST**

Project Number :

Sample : **EFFL** Matrix : Water Lab Number : 45729-01

Sample Date :9/2/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	9/9/2005
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	9/9/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 45729
Date : 9/12/2005

Sample : **EFFL**

Project Name : **198 HIGH ST**

Project Number : Lab Number : 45729-01 Date Analyzed : 9/7/2005

Matrix : Water Sample Date :9/2/2005 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
TPH as Gasoline	< 50	50	ug/L
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L
Tert-Butanol	< 5.0	5.0	ug/L
Methanol	< 50	50	ug/L
Ethanol	< 5.0	5.0	ug/L
Dichlorodifluoromethane	< 0.50	0.50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
2,2-Dichloropropane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
Bromochloromethane	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,1-Dichloropropene	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Benzene	< 0.50	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
Dibromomethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
1,3-Dichloropropane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL [1]	Units
Dibromochloromethane	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L
Chlorobenzene	< 0.50	0.50	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
P,M-Xylene	< 1.0	1.0	ug/L
O-Xylene	< 0.50	0.50	ug/L
Styrene	< 0.50	0.50	ug/L
Isopropyl benzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,2,3-Trichloropropane	< 0.50	0.50	ug/L
n-Propylbenzene	< 0.50	0.50	ug/L
Bromobenzene	< 0.50	0.50	ug/L
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L
2+4-Chlorotoluene	< 1.0	1.0	ug/L
tert-Butylbenzene	< 0.50	0.50	ug/L
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L
sec-Butylbenzene	< 0.50	0.50	ug/L
p-Isopropyltoluene	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
n-Butylbenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L
Hexachlorobutadiene	< 0.50	0.50	ug/L
Naphthalene	< 0.50	0.50	ug/L
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L
Dibromofluoromethane (Surr)	98.7		% Recovery
1,2-Dichloroethane-d4 (Surr)	95.3		% Recovery
Toluene-d8 (Surr)	94.9		% Recovery
4-Bromofluorobenzene (Surr)	107		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 45729

Date : 9/12/2005

QC Report : Method Blank Data

Project Name : **198 HIGH ST**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	9/9/2005
Octacosane (Diesel Surrogate)	110		%	M EPA 8015	9/9/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	9/7/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	9/7/2005
Methanol	< 50	50	ug/L	EPA 8260B	9/7/2005
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	9/7/2005
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Bromomethane	< 20	20	ug/L	EPA 8260B	9/7/2005
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	9/7/2005
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Toluene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	9/7/2005
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Styrene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	9/7/2005
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	9/7/2005
Dibromofluoromethane (Surr)	102		%	EPA 8260B	9/7/2005

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 45729

Date : 9/12/2005

QC Report : Method Blank Data

Project Name : **198 HIGH ST**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
1,2-Dichloroethane-d4 (Surr)	99.7		%	EPA 8260B	9/7/2005
4-Bromofluorobenzene (Surr)	109		%	EPA 8260B	9/7/2005
Toluene - d8 (Surr)	99.0		%	EPA 8260B	9/7/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 45729

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 9/12/2005

Project Name : **198 HIGH ST**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	979	996	ug/L	M EPA 8015	9/9/05	97.9	99.6	1.78	70-130	25
1,1-Dichloroethane	45745-04	<0.50	40.0	40.0	34.5	35.2	ug/L	EPA 8260B	9/7/05	86.3	88.0	2.03	70-130	25
Benzene	45745-04	<0.50	40.0	40.0	35.0	35.4	ug/L	EPA 8260B	9/7/05	87.5	88.6	1.32	70-130	25
1,2-Dichloroethane	45745-04	<0.50	40.0	40.0	38.0	38.7	ug/L	EPA 8260B	9/7/05	95.0	96.9	1.94	70-130	25
Toluene	45745-04	<0.50	40.0	40.0	34.6	34.8	ug/L	EPA 8260B	9/7/05	86.4	86.9	0.607	70-130	25
Chlorobenzene	45745-04	<0.50	40.0	40.0	36.6	37.5	ug/L	EPA 8260B	9/7/05	91.4	93.8	2.54	70-130	25
Tert-Butanol	45745-04	<5.0	200	200	196	198	ug/L	EPA 8260B	9/7/05	98.1	99.1	1.02	70-130	25
Methyl-t-Butyl Ether	45745-04	<0.50	40.0	40.0	35.7	36.4	ug/L	EPA 8260B	9/7/05	89.2	91.1	2.12	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 45729

Date : 9/12/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : **198 HIGH ST**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1-Dichloroethane	40.0	ug/L	EPA 8260B	9/7/05	91.4	70-130
Benzene	40.0	ug/L	EPA 8260B	9/7/05	90.7	70-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	9/7/05	97.7	70-130
Toluene	40.0	ug/L	EPA 8260B	9/7/05	92.2	70-130
Chlorobenzene	40.0	ug/L	EPA 8260B	9/7/05	99.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/7/05	98.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/7/05	93.0	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 45729

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): NOEL SHENOI

California EDF Report? ☐ Yes ☒ No

Company / Address: CALCLEAN INC.

Sampling Company Log Code:

Phone #:

Fax #:

Global ID:

Project #:

P.O. #:

EDF Deliverable To (Email Address):

Project Name: 198 HIGH ST

Sampler Signature: Noll Shenoi

Project Address: SEBASTOPOL

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Sleeve	Poly	Glass	Tedlar	Preservative: HCl	HNO_3	None	Matrix: Water	Soil	Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)	TAT: 12 hr	24 hr	48 hr	72 hr	1 wk	For Lab Use Only
EFFL	9/2/05	1255				X				X	X													X							>	-01
EFFL	9/2/05	1255	X			X MS		X			X						X		X			X									>	~~-02~~

Relinquished by:	Date	Time	Received by:
Noll Shenoi	9/2/05	1555	
	090205	1555	Received by Laboratory: Kiff Analytical

Remarks: email to nollshenoi@calclean.com

Bill to: CALCLEAN.

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
4.6°C	BHB	090205	1600	IR-4	(Yes) / No

Distribution: White - Lab; Pink - Originator
Rev: 051805

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 157401

REPORTED 09/29/2005

RECEIVED 09/26/2005

PROJECT 198 High St. - Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
653604	Combined

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 653604
Matrix: AIR
Date Sampled: 09/23/2005
Time Sampled: 15:00
Sampled By:

Client: Calclean
Client Sample ID: Combined

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	1.1	10	0.1	Vppm	09/27/05	LZ
Ethyl benzene	10	10	0.1	Vppm	09/27/05	LZ
Methyl t - butyl ether	2.4	10	1.0	Vppm	09/27/05	LZ
Toluene	15	10	0.1	Vppm	09/27/05	LZ
Xylene (total)	29	10	0.3	Vppm	09/27/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	1290	10	50.0	Vppm	09/27/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 157402-608

Matrix: AIR

Prep. Date : 09/27/05

Analysis Date: 09/27/05

ID#'s in Batch: LR157439, 157402, 157401, 157403

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	1.57	1.46	7.3
Benzene	8021B	0.07	0.06	15.4
Toluene	8021B	0.06	0.06	0.0
Ethylbenzene	8021B	0.00	0.00	#DIV/0!
Xylenes	8021B	0.07	0.07	0.0

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH ST	Project #	
Site Name and Address	SEBASTOPOL		

A.L. Job No. 157401

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	~~BTEX/MTBE/OXYS (8260)~~								Test Instructions & Comments
1	COMBINED		9/23/05	1500	AIR	TEDLAR	NONE	X	X									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	1	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA	1	Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 48 hrs. ☐ 24 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 9/26/05 Time:	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:	Signature:	Signature:
Printed Name: DVONOW	Printed Name:	Printed Name:
Date: 9-26-05 Time: 1455	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 157637
REPORTED 10/05/2005
RECEIVED 09/30/2005

PROJECT 198 High Street

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
654698	Combined

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 654698 **Client:** Calclean
Matrix: AIR **Client Sample ID:** Combined
Date Sampled: 09/28/2005
Time Sampled: 15:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics in Air - Vppb						
Benzene	ND	1	1.0	Vppb	10/03/05	DP
Ethylbenzene	2310	1	1.0	Vppb	10/03/05	DP
m,p-Xylene	6760	1	1.0	Vppb	10/03/05	DP
Methyl t- butyl ether (MTBE)	ND	1	1.0	Vppb	10/03/05	DP
o-Xylene	2140	1	1.0	Vppb	10/03/05	DP
Toluene	3130	1	1.0	Vppb	10/03/05	DP
Diisopropyl Ether	ND	1	5.0	Vppb	10/03/05	DP
Ethyl tert-Butyl Ether	ND	1	5.0	Vppb	10/03/05	DP
tert-Amyl Methyl Ether	ND	1	5.0	Vppb	10/03/05	DP
tert-Butanol	ND	1	5.0	Vppb	10/03/05	DP
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	757	5	25.0	Vppm	10/03/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 157637-698

Matrix: AIR

Prep. Date : October 3, 2005

Analysis Date: October 3, 2005

ID#'s in Batch: LR157637, 157722

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	757.25	758.76	0.2

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
QA REPORT FORM

Method : 8260 AIR

QC Sample: 157637-698

Matrix: Air

Analysis Date: October 3, 2005

ID#'s in Batch: LR 157637

SAMPLE RESULT / SAMPLE DUPLICATE

Reporting Units = vppb

Test	Sample Result	Sample Duplicate	RPD
Toluene	3,130	2,958	6
Ethylbenzene	2,309	2,274	2
m,p-Xylenes	6,763	6,643	2
o-Xylene	2,138	2,045	4

ND = "U" - Not Detected
RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

157637

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

A.L. Job No.

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)				~~TPH-G~~ BTEX OXYS 8260B				Test Instructions & Comments
1	COMBINED		9/28/05	1500	AIR	TEDLAR	NONE	X						X				
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	1	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 9/30/05 Time: 11:35	Date: Time:	Date: Time:
Received By: Juan 1.	Received By: 2.	Received By: 3.
Signature: Juan Montoya	Signature:	Signature:
Printed Name: Juan Montoya	Printed Name:	Printed Name:
Date: 9/30/05 Time: 11:35	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 157724

REPORTED 10/12/2005

RECEIVED 10/03/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
655171	Effl-09/29
655172	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 655171
Matrix: WATER
Date Sampled: 09/29/2005
Time Sampled: 16:10
Sampled By:

Client: Calclean
Client Sample ID: Effl-09/29

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B BTEX/MTBE Only						
Benzene	ND	1	1	ug/L	10/06/05	LB
Ethyl benzene	ND	1	5	ug/L	10/06/05	LB
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/06/05	LB
Toluene	ND	1	5	ug/L	10/06/05	LB
Xylenes, total	ND	1	5	ug/L	10/06/05	LB
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	10/06/05	LB
Isopropyl ether (DIPE)	ND	1	1	ug/L	10/06/05	LB
Tert-amylmethylether (TAME)	ND	1	1	ug/L	10/06/05	LB
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/06/05	LB
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	101			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	109			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	95			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	10/04/05	HY
Surrogates				**Units**	**Control Limits**	
a,a,a-Trifluorotoluene	68			%	55 - 200	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 655172 **Client:** Calclean
Matrix: WATER **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B BTEX/MTBE Only						
Benzene	ND	1	1	ug/L	10/06/05	LB
Ethyl benzene	ND	1	5	ug/L	10/06/05	LB
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/06/05	LB
Toluene	ND	1	5	ug/L	10/06/05	LB
Xylenes, total	ND	1	5	ug/L	10/06/05	LB
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	10/06/05	LB
Isopropyl ether (DIPE)	ND	1	1	ug/L	10/06/05	LB
Tert-amylmethylether (TAME)	ND	1	1	ug/L	10/06/05	LB
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/06/05	LB
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	97			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	113			%	70 - 130	
Surr3 - Toluene-d8	101			%	70 - 130	
Surr4 - p-Bromofluorobenzene	93			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	10/05/05	HY
Surrogates				**Units**	**Control Limits**	
a,a,a-Trifluorotoluene	80			%	55 - 200	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: WATER

Prep. Date: October 4, 2005

Analysis Date October 4-5, 2005

ID#'s in Batch: LR 157686, 157680, 157724, 157681, 157755, 157753, 157770

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	521	548	104	110	5

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	**55-200**
Method Blank	80
LCS	176
LCSD	184

AAA-TFT = a,a,a-Trifluorotoluene

Associated Laboratories

QA / QC EPA Methods 8260, 624, & 524.2 - GCMS # 3

Sample ID: MS/MSD-water sample 157686-979
Date Analyzed: October 5, 2005 8:18pm
Sample Matrix: water
Units: µg/L

Applies to LR: 156826, 157549, 157555, 157686, 157724, 157753

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	57.35	56.51	115	113	1	22	59 - 172
MTBE *	243.82	50.0	270.65	273.35	54	59	10	24	62 - 137
Benzene	4.80	50.0	50.15	49.88	91	90	1	24	62 - 137
Trichloroethene	0.00	50.0	54.38	50.24	109	100	8	21	66 - 142
Toluene	0.00	50.0	51.89	52.92	104	106	2	21	59 - 139
Chlorobenzene	0.00	50.0	51.04	50.56	102	101	1	21	60 - 133

Sample ID: LCS / LCSD- water
Date Analyzed: October 5, 2005 12:01pm
Sample Matrix: water
Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	52.46	57.52	105	115	9	22	59 - 172
MTBE	0.00	50.0	45.13	48.98	90	98	8	24	62 - 137
Benzene	0.00	50.0	47.87	47.70	96	95	0	24	62 - 137
Trichloroethene	0.00	50.0	52.56	54.31	105	109	3	21	66 - 142
Toluene	0.00	50.0	56.20	53.46	112	107	5	21	59 - 139
Chlorobenzene	0.00	50.0	52.85	51.02	106	102	4	21	60 - 133

* Outside QC Limits

Surrogate Recovery GCMS # 3

Compound	MB1	MB2		MS	MSD	LCS	LCSD		Limits % Rec
Dibromofluoromethane	90	97		103	108	93	98		70-135
1,2-Dichloroethane-d4	101	113		96	93	89	96		70-135
Toluene-d8	97	101		100	95	103	100		70-135
p-Bromofluorobenzene	96	93		105	104	109	105		70-135

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Calclean Project: Sebastopol

Date Cooler Received: 10/03 Date Cooler Opened: 10/03

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice ✓ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None _____ Other _____

Cooler Temperature: 4.1°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: [illegible] Date: 10/03/05

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL, CA		

A.L. Job No. 15772H

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1	EFFL-09/29		9/29/05	1610	~~AIR~~ W	~~TEDLAR~~ 3 VOA	~~NONE~~ HCl	X		X								
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		~~AIR=PPMV~~
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers 3		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/3/05 Time: 13:25	Date: Time:	Date: Time:
Received By: Joan 1.	**Received By:** 2.	**Received By:** 3.
Signature: Joan Montoya	Signature:	Signature:
Printed Name: Joan Montoya	Printed Name:	Printed Name:
Date: 10/03/05 Time: 13:25	Date: Time:	Date: Time:

10/3/05 2:5

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 157712

REPORTED 10/06/2005

RECEIVED 10/03/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
655087	Combined

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 655087
Matrix: AIR
Date Sampled: 10/02/2005
Time Sampled: 18:20
Sampled By:

Client: Calclean
Client Sample ID: Combined

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.8	5	0.05	Vppm	10/06/05	LZ
Ethyl benzene	9.8	5	0.05	Vppm	10/06/05	LZ
Methyl t - butyl ether	ND	5	0.5	Vppm	10/06/05	LZ
Toluene	18	5	0.05	Vppm	10/06/05	LZ
Xylene (total)	29	5	0.15	Vppm	10/06/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	859	5	25.0	Vppm	10/06/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 157712-087

Matrix: AIR

Prep. Date : 10/04/05

Analysis Date: 10/04/05

ID#'s in Batch: LR157712, 157723, 157722, 157745, 157742, 157777, 157781

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	859.31	835.09	2.9
Benzene	8021B	0.80	0.80	0.0
Toluene	8021B	18.45	17.85	3.3
Ethylbenzene	8021B	9.85	9.75	1.0
Xylenes	8021B	28.55	27.95	2.1

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL, CA		

A.L. Job No. 15712

Page 1 of 1

Analysis Requested

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1	COMBINED		10/2/05	1820	AIR	TEDLAR	NONE	X	X									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	1	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/3/05 Time: 13:25	Date: Time:	Date: Time:
Received By: 1.	**Received By:** 2.	**Received By:** 3.
Signature: Jon Montag	Signature:	Signature:
Printed Name: 10/03/05 Jon Montag	Printed Name:	Printed Name:
Date: Time: 13:25	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 157959

REPORTED 10/13/2005

RECEIVED 10/06/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
656316	Effl-10/04
656317	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 656316
Matrix: WATER
Date Sampled: 10/04/2005
Time Sampled: 08:00
Sampled By:

Client: Calclean
Client Sample ID: Effl-10/04

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B BTEX/MTBE Only						
Benzene	ND	1	1	ug/L	10/10/05	DP
Ethyl benzene	ND	1	5	ug/L	10/10/05	DP
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/10/05	DP
Toluene	ND	1	5	ug/L	10/10/05	DP
Xylenes, total	ND	1	5	ug/L	10/10/05	DP
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	10/10/05	DP
Isopropyl ether (DIPE)	ND	1	1	ug/L	10/10/05	DP
Tert-amylmethylether (TAME)	ND	1	1	ug/L	10/10/05	DP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/10/05	DP
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	79			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	97			%	70 - 130	
Surr3 - Toluene-d8	103			%	70 - 130	
Surr4 - p-Bromofluorobenzene	93			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	10/10/05	HY
Surrogates				**Units**	**Control Limits**	
a,a,a-Trifluorotoluene	94			%	55 - 200	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 656317 **Client:** Calclean
Matrix: WATER **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B BTEX/MTBE Only						
Benzene	ND	1	1	ug/L	10/09/05	DP
Ethyl benzene	ND	1	5	ug/L	10/09/05	DP
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/09/05	DP
Toluene	ND	1	5	ug/L	10/09/05	DP
Xylenes, total	ND	1	5	ug/L	10/09/05	DP
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	10/09/05	DP
Isopropyl ether (DIPE)	ND	1	1	ug/L	10/09/05	DP
Tert-amylmethylether (TAME)	ND	1	1	ug/L	10/09/05	DP
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/09/05	DP
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	80			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	96			%	70 - 130	
Surr3 - Toluene-d8	105			%	70 - 130	
Surr4 - p-Bromofluorobenzene	91			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	10/11/05	HY
Surrogates				**Units**	**Control Limits**	
a,a,a-Trifluorotoluene	99			%	55 - 200	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: WATER

Prep. Date: October 7, 2005

Analysis Date October 7-10, 2005

ID#'s in Batch: LR 157912, 157909, 157911, 157959, 157978

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	513	503	103	101	2

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	88
LCS	148
LCSD	150

AAA-TFT = a,a,a-Trifluorotoluene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - LCS / LCSD GCMS # 5

Matrix : WATER

Analysis Date: October 9, 2005 7:36 PM

Applies to: LR 157905, 157922, 157835, 157824, 157826, 157964, 157941

Reporting Units = µg/L

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	ND	50.0	47.55	48.71	95	97	2	22	59-172
MTBE	ND	50.0	41.67	39.70	83	79	5	24	62-137
Benzene	ND	50.0	48.97	47.97	98	96	2	24	62-137
Trichloroethene	ND	50.0	40.84	41.95	82	84	3	21	66-142
Toluene	ND	50.0	49.64	50.07	99	100	1	21	59-139
Chlorobenzene	ND	50.0	46.15	46.80	92	94	1	21	60-133

QA / QC EPA Methods 8260 - LCS / LCSD GCMS # 5

Analysis Date: October 10, 2005 7:51 AM

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits %REC
1,1-Dichloroethene	ND	50.0	47.96	50.06	96	100	4	22	59-172
MTBE	ND	50.0	39.52	40.45	79	81	2	24	62-137
Benzene	ND	50.0	48.10	49.95	96	100	4	24	62-137
Trichloroethene	ND	50.0	41.27	42.07	83	84	2	21	66-142
Toluene	ND	50.0	48.77	49.01	98	98	0	21	59-139
Chlorobenzene	ND	50.0	46.23	46.01	92	92	0	21	60-133

Method Blank = All ND

* Outside QC Limits

Surrogate Recovery (Limits : 70-135)

Surrogate	MB 2	MB 3	LCS	LCSD	LCS	LCSD
DBFM	78	80	84	83	85	83
1,2-DCA	92	96	91	89	89	91
Tol-d8	105	105	102	102	103	102
p-BFB	91	91	93	93	94	94

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868-1225 - 714/771-6900 FAX 714/538-1209

Cooler Receipt Form

Client: Calclean Project: 198 High Test

Date Cooler Received: 10/06 Date Cooler Opened: 10/06

Was cooler scanned for presence of radioactivity ? Yes/No
If yes was radioactivity results above 25 cpm ? Yes/No

Was a shipper's packing slip attached to the cooler ? Yes/No

If the cooler had custody seal(s), were thy signed and intact ? Yes/No/Na

Was the cooler packed with: Ice _____ Ice Packs _____ Bubble wrap _____
Styrofoam _____ Paper _____ None ✓ Other Cold water on melted Ice

Cooler Temperature: 5.8°C *
*cooler needs to be received @ 4°C with an acceptable range of 2°- 6 °C

If samples were hand delivered do they meet the temp. criteria, which should be @ 4°C with an acceptable range of 2°- 6 °C ? Yes/No

If no explain: _____

Were all samples sealed in plastic bags ? Yes/No

Did all samples arrive intact ? If no, indicate below. Yes/No

Were all samples labeled correctly ? (ID's Dates, Times) If no, indicate below. Yes/No

Can the tests required be ran with the provided containers, If no indicate below. Yes/No

Was sufficient sample volume sent for all containers ? Yes/No

Were any VOA vials received with head space ? Yes/No/Na

Was the correct preservatives used ? Yes/No/Na
If no, see the pH log for a list of samples containers regarding pH

Any other important information: _____

Receiving Department: Jim Montoya Date: 10/06/05

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 157959

Page 1 of 1

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

Analysis Requested

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1			~~1/05~~		~~AIR~~	~~TEDLAR~~	~~NONE~~											
2																		
3	EFFL-10/04		10/4/05	0800	W	3 VOA	HCl	X		X								
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	3	Properly Cooled	Y / N / NA
Custody Seals	Y / N / NA	Samples Intact	Y / N / NA
Received in Good Condition	Y / N	Samples Accepted	Y / N

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/6/05 Time:	Date: Time:	Date: Time:
Received By: Juan 1.	**Received By:** 2.	**Received By:** 3.
Signature: Juan Montoya	Signature:	Signature:
Printed Name: Juan Montoya	Printed Name:	Printed Name:
Date: 10/06/05 Time: 15:25	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 157960
REPORTED 10/12/2005
RECEIVED 10/06/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
656318	EW-2 End
656319	Combined(EW-1/MW-5)
656320	MW-5
656321	EW-1
656322	Stack

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 656318
Matrix: AIR
Date Sampled: 10/03/2005
Time Sampled: 11:15
Sampled By:

Client: Calclean
Client Sample ID: EW-2 End

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.35	5	0.05	Vppm	10/07/05	LZ
Ethyl benzene	4.4	5	0.05	Vppm	10/07/05	LZ
Methyl t - butyl ether	ND	5	0.5	Vppm	10/07/05	LZ
Toluene	4.7	5	0.05	Vppm	10/07/05	LZ
Xylene (total)	15	5	0.15	Vppm	10/07/05	LZ
Benzene	1.1	5	0.15	ug/L	10/07/05	LZ
Ethyl benzene	19	5	0.2	ug/L	10/07/05	LZ
Methyl t - butyl ether	ND	5	1.8	ug/L	10/07/05	LZ
Toluene	18	5	0.2	ug/L	10/07/05	LZ
Xylene (total)	64	5	0.65	ug/L	10/07/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	344	5	25.0	Vppm	10/07/05	LZ
Gasoline	1410	5	110.5	ug/L	10/07/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 656319
Matrix: AIR
Date Sampled: 10/03/2005
Time Sampled: 12:30
Sampled By:

Client: Calclean
Client Sample ID: Combined(EW-1/MW-5)

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.40	5	0.05	Vppm	10/07/05	LZ
Ethyl benzene	12	5	0.05	Vppm	10/07/05	LZ
Methyl t - butyl ether	0.90	5	0.5	Vppm	10/07/05	LZ
Toluene	17	5	0.05	Vppm	10/07/05	LZ
Xylene (total)	38	5	0.15	Vppm	10/07/05	LZ
Benzene	1.3	5	0.15	ug/L	10/07/05	LZ
Ethyl benzene	52	5	0.2	ug/L	10/07/05	LZ
Methyl t - butyl ether	3.2	5	1.8	ug/L	10/07/05	LZ
Toluene	63	5	0.2	ug/L	10/07/05	LZ
Xylene (total)	165	5	0.65	ug/L	10/07/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	901	5	25.0	Vppm	10/07/05	LZ
Gasoline	3680	5	110.5	ug/L	10/07/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 656320
Matrix: AIR
Date Sampled: 10/03/2005
Time Sampled: 12:45
Sampled By:

Client: Calclean
Client Sample ID: MW-5

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.45	5	0.05	Vppm	10/07/05	LZ
Ethyl benzene	8.2	5	0.05	Vppm	10/07/05	LZ
Methyl t - butyl ether	ND	5	0.5	Vppm	10/07/05	LZ
Toluene	11	5	0.05	Vppm	10/07/05	LZ
Xylene (total)	28	5	0.15	Vppm	10/07/05	LZ
Benzene	1.4	5	0.15	ug/L	10/07/05	LZ
Ethyl benzene	36	5	0.2	ug/L	10/07/05	LZ
Methyl t - butyl ether	ND	5	1.8	ug/L	10/07/05	LZ
Toluene	40	5	0.2	ug/L	10/07/05	LZ
Xylene (total)	119	5	0.65	ug/L	10/07/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	661	5	25.0	Vppm	10/07/05	LZ
Gasoline	2710	5	110.5	ug/L	10/07/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 656321 **Client:** Calclean
Matrix: AIR **Client Sample ID:** EW-1
Date Sampled: 10/03/2005
Time Sampled: 13:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.20	5	0.05	Vppm	10/07/05	LZ
Ethyl benzene	10	5	0.05	Vppm	10/07/05	LZ
Methyl t - butyl ether	ND	5	0.5	Vppm	10/07/05	LZ
Toluene	10	5	0.05	Vppm	10/07/05	LZ
Xylene (total)	35	5	0.15	Vppm	10/07/05	LZ
Benzene	0.64	5	0.15	ug/L	10/07/05	LZ
Ethyl benzene	45	5	0.2	ug/L	10/07/05	LZ
Methyl t - butyl ether	ND	5	1.8	ug/L	10/07/05	LZ
Toluene	38	5	0.2	ug/L	10/07/05	LZ
Xylene (total)	151	5	0.65	ug/L	10/07/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	695	5	25.0	Vppm	10/07/05	LZ
Gasoline	2840	5	110.5	ug/L	10/07/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 656322 **Client:** Calclean
Matrix: AIR **Client Sample ID:** Stack
Date Sampled: 10/03/2005
Time Sampled: 13:10
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	ND	1	0.01	Vppm	10/07/05	LZ
Ethyl benzene	ND	1	0.01	Vppm	10/07/05	LZ
Methyl t - butyl ether	ND	1	0.10	Vppm	10/07/05	LZ
Toluene	ND	1	0.01	Vppm	10/07/05	LZ
Xylene (total)	ND	1	0.03	Vppm	10/07/05	LZ
Benzene	ND	1	0.03	ug/L	10/07/05	LZ
Ethyl benzene	ND	1	0.04	ug/L	10/07/05	LZ
Methyl t - butyl ether	ND	1	0.36	ug/L	10/07/05	LZ
Toluene	ND	1	0.04	ug/L	10/07/05	LZ
Xylene (total)	ND	1	0.13	ug/L	10/07/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	ND	1	5.0	Vppm	10/07/05	LZ
Gasoline	ND	1	22.1	ug/L	10/07/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Page 1 of 1

Company: CalClean Inc. 3002 Bow, #142 Tustin, CA 92780
Phone: (714) 734-9137
Fax: (714) 734-9138
Project Manager: NOEL SHENOI
Project #:
Project Name: 198 HIGH STREET
File Name and Address: SEBASTOPOL
A.L. Job No.:

Analysis Requested

Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
EW-2 END		10/3/05	1115	AIR	TEDLAR	NONE	X	X									
COMBINED (~~EW-2~~/MW-5)		↓	1230	↓	↓	↓	X	X									
MW-5		↓	1245	↓	↓	↓	X	X									
EW-1		↓	1300	↓	↓	↓	X	X									
STACK		↓	1310	↓	↓	↓	X	X									
	EW-1 NAS 10/19/05																

AIR=PPMV & ug/L.

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	5	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by 1.	Relinquished by 2.	Relinquished by 3.
Sampler:	Signature:	Signature:
Signature: Noel Shenoi	Printed Name:	Printed Name:
Printed Name:	Date: Time:	Date: Time:
Date: 10/6/05 Time: 15:25		
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: Jean Montoya	Signature:	Signature:
Printed Name: Jean Montoya	Printed Name:	Printed Name:
Date: 10-06-05 Time: 15:25	Date: Time:	Date: Time:

Laboratory - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 158298

REPORTED 10/18/2005

RECEIVED 10/13/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
657925	Combined (MW-5/EW-1)

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 657925
Matrix: AIR
Date Sampled: 10/09/2005
Time Sampled: 12:30
Sampled By:

Client: Calclean
Client Sample ID: Combined (MW-5/EW-1)

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.55	5	0.05	Vppm	10/14/05	LZ
Ethyl benzene	6.4	5	0.05	Vppm	10/14/05	LZ
Methyl t - butyl ether	1.1	5	0.5	Vppm	10/14/05	LZ
Toluene	16	5	0.05	Vppm	10/14/05	LZ
Xylene (total)	16	5	0.15	Vppm	10/14/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	694	5	25.0	Vppm	10/14/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 158278-810

Matrix: AIR

Prep. Date : 10/13/05

Analysis Date: 10/13/5-10/14/5

ID#'s in Batch: LR158278, 158318, 158327, 158371, 158298, 158312

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	261.79	259.55	0.9
Benzene	8021B	0.83	0.84	1.2
Toluene	8021B	6.52	6.51	0.2
Ethylbenzene	8021B	1.01	1.05	3.9
Xylenes	8021B	8.41	8.50	1.1

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

A.L. Job No. 158298

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1	COMBINED		10/9/05	1230	AIR	TEDLAR	NONE	X	X									
2	(MW-5/EW-1)																	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Analysis Requested

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	1	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/13/05 Time: 15:25	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:	Signature:	Signature:
Printed Name: Kristen Eadler	Printed Name:	Printed Name:
Date: 10/13/05 Time: 15:25	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 158452

REPORTED 10/19/2005

RECEIVED 10/17/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
658822	Combined

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

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Order #: 658822
Matrix: AIR
Date Sampled: 10/14/2005
Time Sampled: 08:30
Sampled By:

Client: Calclean
Client Sample ID: Combined

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.13	3	0.025	Vppm	10/18/05	LZ
Ethyl benzene	4.2	3	0.025	Vppm	10/18/05	LZ
Methyl t - butyl ether	0.38	3	0.25	Vppm	10/18/05	LZ
Toluene	4.8	3	0.025	Vppm	10/18/05	LZ
Xylene (total)	14	3	0.075	Vppm	10/18/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	272	3	12.5	Vppm	10/18/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 158451-821

Matrix: AIR

Prep. Date : 10/18/05

Analysis Date: 10/18/05

ID#'s in Batch: LR158451, 158486, 158452, 158463

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	606.96	616.01	1.5
Benzene	8021B	54.00	54.50	0.9
Toluene	8021B	34.80	35.30	1.4
Ethylbenzene	8021B	8.70	8.90	2.3
Xylenes	8021B	33.00	33.45	1.4

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 158452

Page 1 of 1

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

Analysis Requested

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1	COMBINED		10/14/05	0830	AIR	TEDLAR	NONE	X	X									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/17 05 Time:	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: [illegible]	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/17/05 Time: 1541	Date: Time:	Date: Time:

Copy: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 158453
REPORTED 10/26/2005
RECEIVED 10/17/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
658823	EFFL-10/14
658824	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

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Order #: 658823
Matrix: WATER
Date Sampled: 10/14/2005
Time Sampled: 09:00
Sampled By:

Client: Calclean
Client Sample ID: EFFL-10/14

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,1-Trichloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,2-Trichloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	10/23/05	LB
1,1-Dichloroethane	ND	1	5	ug/L	10/23/05	LB
1,1-Dichloroethene	ND	1	5	ug/L	10/23/05	LB
1,1-Dichloropropene	ND	1	5	ug/L	10/23/05	LB
1,2,3-Trichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,2,3-Trichloropropane	ND	1	5	ug/L	10/23/05	LB
1,2,4-Trichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,2,4-Trimethylbenzene	ND	1	5	ug/L	10/23/05	LB
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	10/23/05	LB
1,2-Dibromoethane	ND	1	5	ug/L	10/23/05	LB
1,2-Dichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,2-Dichloroethane	ND	1	5	ug/L	10/23/05	LB
1,2-Dichloropropane	ND	1	5	ug/L	10/23/05	LB
1,3,5-Trimethylbenzene	ND	1	5	ug/L	10/23/05	LB
1,3-Dichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,3-Dichloropropane	ND	1	5	ug/L	10/23/05	LB
1,4-Dichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1-Chlorohexane	ND	1	5	ug/L	10/23/05	LB
2,2-Dichloropropane	ND	1	5	ug/L	10/23/05	LB
2-Butanone (MEK)	ND	1	100	ug/L	10/23/05	LB
2-Chloroethyl vinyl ether	ND	1	5	ug/L	10/23/05	LB
2-Chlorotoluene	ND	1	5	ug/L	10/23/05	LB
2-Hexanone	ND	1	20	ug/L	10/23/05	LB
4-Chlorotoluene	ND	1	5	ug/L	10/23/05	LB
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	10/23/05	LB
Acetone	ND	1	100	ug/L	10/23/05	LB
Acetonitrile	ND	1	50	ug/L	10/23/05	LB
Acrolein	ND	1	200	ug/L	10/23/05	LB

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658823 **Client:** Calclean
Matrix: WATER **Client Sample ID:** EFFL-10/14
Date Sampled: 10/14/2005
Time Sampled: 09:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	10/23/05	LB
Allyl chloride	ND	1	5	ug/L	10/23/05	LB
Benzene	ND	1	1	ug/L	10/23/05	LB
Benzyl chloride	ND	1	5	ug/L	10/23/05	LB
Bromobenzene	ND	1	5	ug/L	10/23/05	LB
Bromochloromethane	ND	1	5	ug/L	10/23/05	LB
Bromodichloromethane	ND	1	5	ug/L	10/23/05	LB
Bromoform	ND	1	5	ug/L	10/23/05	LB
Bromomethane	ND	1	5	ug/L	10/23/05	LB
Carbon Disulfide	ND	1	5	ug/L	10/23/05	LB
Carbon tetrachloride	ND	1	5	ug/L	10/23/05	LB
Chlorobenzene	ND	1	5	ug/L	10/23/05	LB
Chloroethane	ND	1	5	ug/L	10/23/05	LB
Chloroform	ND	1	5	ug/L	10/23/05	LB
Chloromethane	ND	1	5	ug/L	10/23/05	LB
cis-1,2-Dichloroethene	ND	1	5	ug/L	10/23/05	LB
cis-1,3-Dichloropropene	ND	1	5	ug/L	10/23/05	LB
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/23/05	LB
Dibromochloromethane	ND	1	5	ug/L	10/23/05	LB
Dibromomethane	ND	1	5	ug/L	10/23/05	LB
Dichlorodifluoromethane	ND	1	5	ug/L	10/23/05	LB
Ethyl benzene	ND	1	5	ug/L	10/23/05	LB
Ethyl methacrylate	ND	1	50	ug/L	10/23/05	LB
Hexachlorobutadiene	ND	1	5	ug/L	10/23/05	LB
Iodomethane	ND	1	5	ug/L	10/23/05	LB
Isopropylbenzene (Cumene)	ND	1	5	ug/L	10/23/05	LB
m and p-Xylene	ND	1	5	ug/L	10/23/05	LB
Methacrylonitrile	ND	1	35	ug/L	10/23/05	LB
Methyl methacrylate	ND	1	5	ug/L	10/23/05	LB
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/23/05	LB
Methylene chloride	ND	1	5	ug/L	10/23/05	LB
n-Butylbenzene	ND	1	5	ug/L	10/23/05	LB
n-Propylbenzene	ND	1	5	ug/L	10/23/05	LB

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658823 **Client:** Calclean
Matrix: WATER **Client Sample ID:** EFFL-10/14
Date Sampled: 10/14/2005
Time Sampled: 09:00
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Naphthalene	ND	1	5	ug/L	10/23/05	LB
o-Xylene	ND	1	5	ug/L	10/23/05	LB
p-Isopropyltoluene	ND	1	5	ug/L	10/23/05	LB
Pentachloroethane	ND	1	5	ug/L	10/23/05	LB
Propionitrile	ND	1	100	ug/L	10/23/05	LB
sec-Butylbenzene	ND	1	5	ug/L	10/23/05	LB
Styrene	ND	1	5	ug/L	10/23/05	LB
tert-Butylbenzene	ND	1	5	ug/L	10/23/05	LB
Tetrachloroethene	ND	1	5	ug/L	10/23/05	LB
Toluene	ND	1	5	ug/L	10/23/05	LB
trans-1,2-Dichloroethene	ND	1	5	ug/L	10/23/05	LB
trans-1,3-Dichloropropene	ND	1	5	ug/L	10/23/05	LB
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/23/05	LB
Trichloroethene	ND	1	5	ug/L	10/23/05	LB
Trichlorofluoromethane	ND	1	5	ug/L	10/23/05	LB
Vinyl acetate	ND	1	50	ug/L	10/23/05	LB
Vinyl chloride	ND	1	5	ug/L	10/23/05	LB
Xylenes, total	ND	1	5	ug/L	10/23/05	LB
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	10/23/05	LB
Isopropyl ether (DIPE)	ND	1	1	ug/L	10/23/05	LB
Tert-amylmethylether (TAME)	ND	1	1	ug/L	10/23/05	LB
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/23/05	LB
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	90			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 135	
Surr3 - Toluene-d8	101			%	70 - 135	
Surr4 - p-Bromofluorobenzene	99			%	70 - 135	

8015B - Gasoline

Gasoline	ND	1	50	ug/L	10/19/05	HY
Surrogates				**Units**	**Control Limits**	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658823
Matrix: WATER
Date Sampled: 10/14/2005
Time Sampled: 09:00
Sampled By:

Client: Calclean
Client Sample ID: EFFL-10/14

Analyte	Result	DF	DLR	Units	Date/Analyst
8015B - Gasoline					
a,a,a-Trifluorotoluene	98			%	55 - 200

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658824
Matrix: WATER
Date Sampled:
Time Sampled:
Sampled By:

Client: Calclean
Client Sample ID: Laboratory Method Blank

8260B Volatile Organic Compounds

Analyte	Result	DF	DLR	Units	Date/Analyst	
1,1,1,2-Tetrachloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,1-Trichloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,2,2-Tetrachloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,2-Trichloroethane	ND	1	5	ug/L	10/23/05	LB
1,1,2-Trichlorotrifluoroethane	ND	1	5	ug/L	10/23/05	LB
1,1-Dichloroethane	ND	1	5	ug/L	10/23/05	LB
1,1-Dichloroethene	ND	1	5	ug/L	10/23/05	LB
1,1-Dichloropropene	ND	1	5	ug/L	10/23/05	LB
1,2,3-Trichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,2,3-Trichloropropane	ND	1	5	ug/L	10/23/05	LB
1,2,4-Trichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,2,4-Trimethylbenzene	ND	1	5	ug/L	10/23/05	LB
1,2-Dibromo-3-chloropropane	ND	1	5	ug/L	10/23/05	LB
1,2-Dibromoethane	ND	1	5	ug/L	10/23/05	LB
1,2-Dichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,2-Dichloroethane	ND	1	5	ug/L	10/23/05	LB
1,2-Dichloropropane	ND	1	5	ug/L	10/23/05	LB
1,3,5-Trimethylbenzene	ND	1	5	ug/L	10/23/05	LB
1,3-Dichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1,3-Dichloropropane	ND	1	5	ug/L	10/23/05	LB
1,4-Dichlorobenzene	ND	1	5	ug/L	10/23/05	LB
1-Chlorohexane	ND	1	5	ug/L	10/23/05	LB
2,2-Dichloropropane	ND	1	5	ug/L	10/23/05	LB
2-Butanone (MEK)	ND	1	100	ug/L	10/23/05	LB
2-Chloroethyl vinyl ether	ND	1	5	ug/L	10/23/05	LB
2-Chlorotoluene	ND	1	5	ug/L	10/23/05	LB
2-Hexanone	ND	1	20	ug/L	10/23/05	LB
4-Chlorotoluene	ND	1	5	ug/L	10/23/05	LB
4-Methyl -2- Pentanone (MIBK)	ND	1	10	ug/L	10/23/05	LB
Acetone	ND	1	100	ug/L	10/23/05	LB
Acetonitrile	ND	1	50	ug/L	10/23/05	LB
Acrolein	ND	1	200	ug/L	10/23/05	LB

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658824
Matrix: WATER
Date Sampled:
Time Sampled:
Sampled By:

Client: Calclean
Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Acrylonitrile	ND	1	10	ug/L	10/23/05	LB
Allyl chloride	ND	1	5	ug/L	10/23/05	LB
Benzene	ND	1	1	ug/L	10/23/05	LB
Benzyl chloride	ND	1	5	ug/L	10/23/05	LB
Bromobenzene	ND	1	5	ug/L	10/23/05	LB
Bromochloromethane	ND	1	5	ug/L	10/23/05	LB
Bromodichloromethane	ND	1	5	ug/L	10/23/05	LB
Bromoform	ND	1	5	ug/L	10/23/05	LB
Bromomethane	ND	1	5	ug/L	10/23/05	LB
Carbon Disulfide	ND	1	5	ug/L	10/23/05	LB
Carbon tetrachloride	ND	1	5	ug/L	10/23/05	LB
Chlorobenzene	ND	1	5	ug/L	10/23/05	LB
Chloroethane	ND	1	5	ug/L	10/23/05	LB
Chloroform	ND	1	5	ug/L	10/23/05	LB
Chloromethane	ND	1	5	ug/L	10/23/05	LB
cis-1,2-Dichloroethene	ND	1	5	ug/L	10/23/05	LB
cis-1,3-Dichloropropene	ND	1	5	ug/L	10/23/05	LB
cis-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/23/05	LB
Dibromochloromethane	ND	1	5	ug/L	10/23/05	LB
Dibromomethane	ND	1	5	ug/L	10/23/05	LB
Dichlorodifluoromethane	ND	1	5	ug/L	10/23/05	LB
Ethyl benzene	ND	1	5	ug/L	10/23/05	LB
Ethyl methacrylate	ND	1	50	ug/L	10/23/05	LB
Hexachlorobutadiene	ND	1	5	ug/L	10/23/05	LB
Iodomethane	ND	1	5	ug/L	10/23/05	LB
Isopropylbenzene (Cumene)	ND	1	5	ug/L	10/23/05	LB
m and p-Xylene	ND	1	5	ug/L	10/23/05	LB
Methacrylonitrile	ND	1	35	ug/L	10/23/05	LB
Methyl methacrylate	ND	1	5	ug/L	10/23/05	LB
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	10/23/05	LB
Methylene chloride	ND	1	5	ug/L	10/23/05	LB
n-Butylbenzene	ND	1	5	ug/L	10/23/05	LB
n-Propylbenzene	ND	1	5	ug/L	10/23/05	LB

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658824 **Client:** Calclean
Matrix: WATER **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organic Compounds						
Naphthalene	ND	1	5	ug/L	10/23/05	LB
o-Xylene	ND	1	5	ug/L	10/23/05	LB
p-Isopropyltoluene	ND	1	5	ug/L	10/23/05	LB
Pentachloroethane	ND	1	5	ug/L	10/23/05	LB
Propionitrile	ND	1	100	ug/L	10/23/05	LB
sec-Butylbenzene	ND	1	5	ug/L	10/23/05	LB
Styrene	ND	1	5	ug/L	10/23/05	LB
tert-Butylbenzene	ND	1	5	ug/L	10/23/05	LB
Tetrachloroethene	ND	1	5	ug/L	10/23/05	LB
Toluene	ND	1	5	ug/L	10/23/05	LB
trans-1,2-Dichloroethene	ND	1	5	ug/L	10/23/05	LB
trans-1,3-Dichloropropene	ND	1	5	ug/L	10/23/05	LB
trans-1,4-Dichloro-2-butene	ND	1	20	ug/L	10/23/05	LB
Trichloroethene	ND	1	5	ug/L	10/23/05	LB
Trichlorofluoromethane	ND	1	5	ug/L	10/23/05	LB
Vinyl acetate	ND	1	50	ug/L	10/23/05	LB
Vinyl chloride	ND	1	5	ug/L	10/23/05	LB
Xylenes, total	ND	1	5	ug/L	10/23/05	LB
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	10/23/05	LB
Isopropyl ether (DIPE)	ND	1	1	ug/L	10/23/05	LB
Tert-amylmethylether (TAME)	ND	1	1	ug/L	10/23/05	LB
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	10/23/05	LB
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	86			%	70 - 135	
Surr2 - 1,2-Dichloroethane-d4	94			%	70 - 135	
Surr3 - Toluene-d8	101			%	70 - 135	
Surr4 - p-Bromofluorobenzene	98			%	70 - 135	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	10/18/05	HY
Surrogates				**Units**	**Control Limits**	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 658824
Matrix: WATER
Date Sampled:
Time Sampled:
Sampled By:

Client: Calclean
Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	DLR	Units	Date/Analyst
8015B - Gasoline					
a,a,a-Trifluorotoluene	97			%	55 - 200

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: WATER

Prep. Date: October 18, 2005

Analysis Date October 18-19, 2005

ID#'s in Batch: LR 158410, 158466, 158467, 158371, 158453

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	482	487	96	97	1

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	97
LCS	182
LCSD	188

AAA-TFT = a,a,a-Trifluorotoluene

Associated Laboratories

QA / QC EPA Methods 8260, 624, & 524.2 - GCMS # 4

Sample ID: MS/MSD-water sample 158675-904
Date Analyzed: October 23, 2005 11:05am
Sample Matrix: water
Units: µg/L

Applies to LR: 158453, 158675, 158674, 158643

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	25.0	22.29	22.28	89	89	0	22	59 - 172
MTBE	0.00	25.0	20.39	20.18	82	81	1	24	62 - 137
Benzene	0.00	25.0	23.72	24.04	95	96	1	24	62 - 137
Trichloroethene	0.00	25.0	23.87	23.38	95	94	2	21	66 - 142
Toluene	0.00	25.0	26.92	25.97	108	104	4	21	59 - 139
Chlorobenzene	0.00	25.0	26.86	26.10	107	104	3	21	60 - 133

Sample ID: LCS - water
Date Analyzed: October 23, 2005 7:58am
Sample Matrix: water
Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res		Spike % Rec			QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	43.22		86			22	59 - 172
MTBE	0.00	50.0	47.84		96			24	62 - 137
Benzene	0.00	50.0	44.47		89			24	62 - 137
Trichloroethene	0.00	50.0	47.62		95			21	66 - 142
Toluene	0.00	50.0	51.31		103			21	59 - 139
Chlorobenzene	0.00	50.0	50.72		101			21	60 - 133

Surrogate Recovery GCMS # 4

Compound	MB5			MS	MSD	LCS			Limits % Rec
Dibromofluoromethane	86			86	86	84			70-135
1,2-Dichloroethane-d4	94			82	87	94			70-135
Toluene-d8	101			105	105	103			70-135
p-Bromofluorobenzene	98			98	98	96			70-135

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Cal Clean
Project: _____
Date Received: 10/17/06
Sample(s) received in cooler: Yes No (Skip Section 2)

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
X Paper ___ None ___ Other _____
Cooler or box temperature: 4.0

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Were custody seals present?	X		
If Yes – were they intact?	X		
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
No head space in VOA vials?		X	
Were the correct preservatives used?	X		
Were the samples scanned for presence of radioactivity?		X	

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: [signature] Date: 10/17/06

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 158453

Page 1 of 1

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)	8260 FULL SCAN + OXYS					TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1			~~/ /05~~		~~AIR~~	~~TEDLAR~~	~~NONE~~											
2																		
3	EFFL-10/14		10/14/05	0900	W	3 VOA	HCl	X			X							
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/14/05 Time:	Date: Time:	Date: Time:
Received By: 1.	Received By: 2.	Received By: 3.
Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/17/05 Time: 1544	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

10780 — 11:01

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 158846

REPORTED 10/26/2005

RECEIVED 10/21/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
660546	Combined

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
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Order #: 660546
Matrix: AIR
Date Sampled: 10/17/2005
Time Sampled: 15:30
Sampled By:

Client: Calclean
Client Sample ID: Combined
Sample Description: (EW-1/EW-2/MW-5)

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.40	5	0.05	Vppm	10/21/05	LZ
Ethyl benzene	8.5	5	0.05	Vppm	10/21/05	LZ
Methyl t - butyl ether	1.4	5	0.5	Vppm	10/21/05	LZ
Toluene	8.6	5	0.05	Vppm	10/21/05	LZ
Xylene (total)	31	5	0.15	Vppm	10/21/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	515	5	25.0	Vppm	10/21/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 158735-077

Matrix: AIR

Prep. Date : 10/21/05

Analysis Date: 10/21/05

ID#'s in Batch: LR158735, 158760, 158676, 158758, 158709, 158644, 158848, 158846, 158847, 158835

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	80.22	79.72	0.6
Benzene	8021B	0.42	0.41	2.4
Toluene	8021B	1.96	1.96	0.0
Ethylbenzene	8021B	0.38	0.38	0.0
Xylenes	8021B	0.73	0.73	0.0

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 158846

Page 1 of 1

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260		Test Instructions & Comments
1	COMBINED		10/17/05	1530	AIR	TEDLAR	NONE	X	X									
2	(EW-1/EW-2/MW-5)																	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		AIR=PPMV
15																		

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	1	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/21/05 Time:	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:	Signature:	Signature:
Printed Name: MONG W	Printed Name:	Printed Name:
Date: 10/21/05 Time: 1520	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 158941
REPORTED 10/27/2005
RECEIVED 10/24/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
660990	Combined End (MW-5/EW-1)
660991	MW-5 End
660992	EW-1 End

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
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Order #: 660990
Matrix: AIR
Date Sampled: 10/21/2005
Time Sampled: 12:00
Sampled By:

Client: Calclean
Client Sample ID: Combined End (MW-5/EW-1)

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.20	5	0.05	Vppm	10/25/05	LZ
Ethyl benzene	9.8	5	0.05	Vppm	10/25/05	LZ
Methyl t - butyl ether	1.6	5	0.5	Vppm	10/25/05	LZ
Toluene	9.0	5	0.05	Vppm	10/25/05	LZ
Xylene (total)	32	5	0.15	Vppm	10/25/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	597	5	25.0	Vppm	10/25/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 660991 **Client:** Calclean
Matrix: AIR **Client Sample ID:** MW-5 End
Date Sampled: 10/21/2005
Time Sampled: 12:15
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.20	5	0.05	Vppm	10/25/05	LZ
Ethyl benzene	9.2	5	0.05	Vppm	10/25/05	LZ
Methyl t - butyl ether	0.80	5	0.5	Vppm	10/25/05	LZ
Toluene	7.8	5	0.05	Vppm	10/25/05	LZ
Xylene (total)	30	5	0.15	Vppm	10/25/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	572	5	25.0	Vppm	10/25/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 660992
Matrix: AIR
Date Sampled: 10/21/2005
Time Sampled: 12:30
Sampled By:

Client: Calclean
Client Sample ID: EW-1 End

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.15	5	0.05	Vppm	10/25/05	LZ
Ethyl benzene	7.6	5	0.05	Vppm	10/25/05	LZ
Methyl t - butyl ether	ND	5	0.5	Vppm	10/25/05	LZ
Toluene	6.4	5	0.05	Vppm	10/25/05	LZ
Xylene (total)	25	5	0.15	Vppm	10/25/05	LZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	440	5	25.0	Vppm	10/25/05	LZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: 158941-992

Matrix: AIR

Prep. Date : 10/25/05

Analysis Date: 10/25/05

ID#'s in Batch: LR158941, 158980, 158981

Reporting Units = Vppm

SAMPLE RESULT / SAMPLE DUPLICATE

Test	Method	Sample Result	Sample Dup.	RPD
Gas	8015M	438.98	440.37	0.3
Benzene	8021B	0.15	0.15	0.0
Toluene	8021B	6.45	6.55	1.5
Ethylbenzene	8021B	7.60	7.70	1.3
Xylenes	8021B	25.20	25.45	1.0

RPD LIMITS = 20

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 FAX 714-538-1209

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Calclean Project: _____
Date Received: _____
Sample(s) received in cooler: Yes (No) (Skip Section 2)

Air Bags

Section 2
Was the cooler packed with: ____ Ice ____ Ice Packs ___ Bubble Wrap ___ Styrofoam ____ Paper ____ None ___ Other _____
Cooler or box temperature: _____

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Were custody seals present?			X
If Yes – were they intact?			X
Were all samples sealed in plastic bags?			X
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
No head space in VOA vials?			X
Were the correct preservatives used?			X
Were the samples scanned for presence of radioactivity?			X

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: [illegible] Date: 10/24/05

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

A.L. Job No. 158941

Page 1 of 1

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH STREET	Project #	
Site Name and Address	SEBASTOPOL		

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260	Test Instructions & Comments
1	COMBINED END (MW-5/EW-1)		10/21/05	1200	AIR	TEDLAR	NONE	X	X							2	
2																	
3	MW-5 END			1215												1	
4																	
5	EW-1 END			1230												1	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	AIR=PPMV
15																	

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	4	Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/24/05 Time: 1455	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: [illegible]	Signature:	Signature:
Printed Name: Kristen Endles	Printed Name:	Printed Name:
Date: 10/24/05 Time: 14:55	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Calclean (9977)
ATTN: Noel Shenoi
3002 Dow Ave.
#142
Tustin, CA 92780

LAB REQUEST 159139
REPORTED 11/02/2005
RECEIVED 10/27/2005

PROJECT 198 High St., Sebastopol

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
662030	Effl-10/21
662031	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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Order #: 662030
Matrix: WATER
Date Sampled: 10/21/2005
Time Sampled: 11:30
Sampled By:

Client: Calclean
Client Sample ID: Effl-10/21

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B BTEX/MTBE Only						
Benzene	ND	1	1	ug/L	11/01/05	LB
Ethyl benzene	ND	1	5	ug/L	11/01/05	LB
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	11/01/05	LB
Toluene	ND	1	5	ug/L	11/01/05	LB
Xylenes, total	ND	1	5	ug/L	11/01/05	LB
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	11/01/05	LB
Isopropyl ether (DIPE)	ND	1	1	ug/L	11/01/05	LB
Tert-amylmethylether (TAME)	ND	1	1	ug/L	11/01/05	LB
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	11/01/05	LB
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	94			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	101			%	70 - 130	
Surr3 - Toluene-d8	98			%	70 - 130	
Surr4 - p-Bromofluorobenzene	94			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	11/01/05	HY
Surrogates				**Units**	**Control Limits**	
a,a,a-Trifluorotoluene	96			%	55 - 200	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 662031 **Client:** Calclean
Matrix: WATER **Client Sample ID:** Laboratory Method Blank
Date Sampled:
Time Sampled:
Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B BTEX/MTBE Only						
Benzene	ND	1	1	ug/L	11/01/05	LB
Ethyl benzene	ND	1	5	ug/L	11/01/05	LB
Methyl-tert-butylether (MTBE)	ND	1	1	ug/L	11/01/05	LB
Toluene	ND	1	5	ug/L	11/01/05	LB
Xylenes, total	ND	1	5	ug/L	11/01/05	LB
Ethyl-tertbutylether (ETBE)	ND	1	1	ug/L	11/01/05	LB
Isopropyl ether (DIPE)	ND	1	1	ug/L	11/01/05	LB
Tert-amylmethylether (TAME)	ND	1	1	ug/L	11/01/05	LB
Tertiary butyl alcohol (TBA)	ND	1	10	ug/L	11/01/05	LB
Surrogates				**Units**	**Control Limits**	
Surr1 - Dibromofluoromethane	91			%	70 - 130	
Surr2 - 1,2-Dichloroethane-d4	100			%	70 - 130	
Surr3 - Toluene-d8	92			%	70 - 130	
Surr4 - p-Bromofluorobenzene	92			%	70 - 130	
8015B - Gasoline						
Gasoline	ND	1	50	ug/L	11/01/05	HY
Surrogates				**Units**	**Control Limits**	
a,a,a-Trifluorotoluene	98			%	55 - 200	

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

LCS REPORT FORM

QC Sample: LCS/LCSD

Matrix: WATER

Prep. Date: November 1, 2005

Analysis Date 11/1/05-11/2/5

ID#'s in Batch: LR159139

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = mg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	506	508	101	102	0

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	AAA-TFT
QC Limit	55-200
Method Blank	98
LCS	176
LCSD	169

AAA-TFT = a,a,a-Trifluorotoluene

Associated Laboratories

QA / QC EPA Methods 8260, 624, & 524.2 - GCMS # 3

Sample ID: MS/MSD-water sample 159333-786
Date Analyzed: November 2, 2005 9:31am
Sample Matrix: water
Units: µg/L

Applies to LR: 159139, 159333

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	0.00	50.0	56.55	57.70	113	115	2	22	59 - 172
MTBE	0.00	50.0	46.04	44.82	92	90	3	24	62 - 137
Benzene	0.00	50.0	44.16	47.34	88	95	7	24	62 - 137
Trichloroethene	0.00	50.0	51.84	50.78	104	102	2	21	66 - 142
Toluene	0.00	50.0	54.34	50.26	109	101	8	21	59 - 139
Chlorobenzene	0.00	50.0	45.48	46.40	91	93	2	21	60 - 133

Sample ID: LCS - water
Date Analyzed: November 1, 2005 12:27pm
Sample Matrix: water
Units: µg/L

Compound	Sample Conc.	Spike Added	Spike Res		Spike % Rec			QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	0.00	50.0	51.07		102			22	59 - 172
MTBE	0.00	50.0	43.43		87			24	62 - 137
Benzene	0.00	50.0	45.55		91			24	62 - 137
Trichloroethene	0.00	50.0	50.08		100			21	66 - 142
Toluene	0.00	50.0	49.74		99			21	59 - 139
Chlorobenzene	0.00	50.0	45.39		91			21	60 - 133

Surrogate Recovery GCMS # 3

Compound	MB1	MB2		MS	MSD	LCS			Limits % Rec
Dibromofluoromethane	91	100		96	94	86			70-135
1,2-Dichloroethane-d4	100	107		102	98	94			70-135
Toluene-d8	92	97		105	100	94			70-135
p-Bromofluorobenzene	92	90		101	98	103			70-135

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Company	CalClean Inc. 3002 Dow, #142 Tustin, CA 92780	Phone	(714) 734-9137
Project Manager	NOEL SHENOI	Fax	(714) 734-9138
Project Name	198 HIGH ST	Project #	
Site Name and Address	SEBASTOPOL, CA		

A.L. Job No. 159139

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	~~BTEX/MTBE (8021)~~	BTEX/OXYS(8260)						TPHG/BTEX/OXYS-8260	Test Instructions & Comments
1			~~1/05~~	~~MS~~	~~AIR~~	~~TEDLAR~~	~~NONE~~										
2																	
3	EFFL-10/21		10/21/05	1130	W	3 VOA	HCl	X		X							
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	~~AIR=PPMV~~
15																	

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	3	Properly Cooled (Y) / N / NA	
Custody Seals Y / N / (NA)		Samples Intact (Y) / N / NA	
Received in Good Condition (Y) / N		Samples Accepted (Y) / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shenoi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 10/21/05 Time: 12:15	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: [illegible]	Signature:	Signature:
Printed Name: Kristen Erdles	Printed Name:	Printed Name:
Date: 10/27/05 Time: 12:15	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

2/02/05 1:20

ATTACHMENT 2

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM
FIELD DATA SHEETS

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 9/2/2005 Page 1 of 11

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

John (707) 484-7241 Cell
(707) 792-9504 Fax daily @ 5 PM

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10'-25'		10'-30'		10'-30'		10'-25'		10'-25'		10-25		10-25			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)			Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
9-2					OPEN	23'	OPEN	28'	OPEN	28'										
1100	24	110	1461	1962	2060	PPMV	3560	PPMV	42	PPMV										
1200	23	115	1448	2820																
1300	23	115	1440	2640																
1400	23	113	1435	2410																
1500	23	116	1427	2290																
1600	24	107	1411	2140																
1610					closed		closed		closed											
9-19																				
1500	23	113	1439	2270	OPEN	23'	OPEN	28'	OPEN	28'										
9-20																				
0800	24	109	1425	2170																
1200	25	102	1411																	
1600	25	100	1417	2490	1895	PPMV	3150	PPMV	570	PPMV										
2000	25	101	1420	2620																
9-21																				
0800	24	111	1412	2290	1540	PPMV	2780	PPMV	440	PPMV										
1200	24	111	1404																	
1600	24	113	1407																	
2000	24	110	1412	2170																

Comments: 9-2-05 @ 1200 Took Combined Air Sample : @ 1205 Took stack sample : @ 1215 Took Air Sample EW-2 : 9-2-05 @ 1225 Air Sample MW-5 : @ 1235 Air Sample EW-1

*Start Water Meter # 1019080

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 9 /22/ 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' – 25'		10' – 30'		10' – 30'		10' – 25'		10' – 25'		10' – 25'		10' – 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)			Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
9-22					OPEN	23'	OPEN	28'	OPEN	28'										
0800	24	99	1418	1840	1091	PPMV	2090	PPMV	288	PPMV										
1200	23	113	1409																	
1600	23	111	1401																	
2000	23	114	1405	1510																
9-23																				
0800	23	111	1409	1390	945	PPMV	1740	PPMV	402	PPMV										
1200	23	114	1415	1153																
1600	23	115	1421	1007																
2000	23	114	1406	800																
9-24																				
0800	23	112	1412	875	907	PPMV	1711	PPMV	370	PPMV										
1200	23	110	1419	833																
1600	23	113	1410	789																
2000	23	110	1404	721																
9-25																				
0800	23	115	1407	688	843	PPMV	1485	PPMV	321	PPMV										
1200	23	112	1410	660																
1600	23	113	1409	627																
2000	23	111	1402	604																

Comments:

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 9 /26/ 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' – 25'		10' – 30'		10' – 30'		10' – 25'		10' – 25'		10' – 25'		10' – 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		Depth TW (feet)		DTW	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
9-26					OPEN	23'	OPEN	28'	OPEN	28'										
0800	23	110	1414	627	837	PPMV	1479	PPMV	304	PPMV										
1200	23	114	1407	670																
1600	23	111	1414	725																
2000	23	109	1416	788																
9-27																				
0800	23	111	1409	807	910	PPMV	1455	PPMV	291	PPMV										
1200	23	115	1405	790																
1600	23	113	1403	833																
2000	23	113	1408	890																
9-28																				
0800	23	112	1412	860	843	PPMV	1390	PPMV	225	PPMV										
1300	23	114	1417	822								22.65		21.67		18.13		20.54		
1600	23	113	1405	793																
2000	23	110	1408	748																
9-29																				
0800	23	111	1405	766	787	PPMV	1369	PPMV	248	PPMV										
1200	23	113	1415	735								22.78		21.81		18.48		car		
1600	23	115	1410	720																
2000	23	113	1403	698																

Comments:

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 9 /30 / 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' – 25'		10' – 30'		10' – 30'		10' – 25'		10' – 25'		16' – 25'		10' – 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		Depth (feet)		DTW	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
9-30					OPEN	23'	OPEN	28'	OPEN	28'										
0800	23	110	1405	681	751	PPMV	1260	PPMV	220	PPMV										
1200	23	113	1411	704								22.80		21.85		18.53		22.20		
1600	23	113	1417	676																
2000	23	112	1409	662																
10-1																				
0800	23	111	1404	657	738	PPMV	1228	PPMV	253	PPMV										
1200	23	114	1413	641								22.84		21.90		18.55		Car		
1600	23	115	1409	629																
2000	23	112	1404	615																
10-2																				
0800	23	112	1410	603	690	PPMV	1181	PPMV	280	PPMV										
1200	23	116	1402	590								22.88		21.95		18.57		Car		
1600	23	113	1407	589																
2000	23	114	1404	580																
10-3																				
0800	23	110	1409	573	678	PPMV	1145	PPMV	307	PPMV										
1130									Closed											
1200	25	58	1429	517								22.91		21.97		18.58		Car		
1600	25	58	1423	531																
2000	25	60	1414	550																

Comments:

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 10 / 4 / 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' – 25'		10' – 30'		10' – 30'		10' – 25'		10' – 25'		10' – 25'		10' – 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		~~Stinger~~ Depth TW (feet)		DTW	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
10-4					OPEN	23'	OPEN	28'	closed											
0800	25	57	1409	740																
1200	25	59	1415	660	533	PPMV	989	PPMV				22.86		21.87		18.50		22.10		
1600	25	61	1404	637																
2000	25	60	1408	612																
10-5																				
0800	23	75	1410	590																
1200	23	73	1408	559	517	PPMV	953	PPMV				22.83		21.82		18.47		22.07		
1700	23	73	1403	602																
2000	23	76	1406	585																
10-6																				
0800	23	74	1416	560	493	PPMV	938	PPMV												
1200	23	76	1405	546								22.81		21.82		18.49		21.76		
1600	21	87	1413	524																
2000	21	89	1408	499																
10-7																				
0800	21	89	1401	481	470	PPMV	920	PPMV				22.79		21.81		18.50		21.51		
1200	21	88	1403	468																
1600	21	86	1405	450																
2000	21	88	1404	436																

Comments: 10-3-05 @ 1230 Took Combined MW-5 & EW-1 : @ 1245 Air Sample MW-5 ; @ 1300 Air Sample EW-1 :
Stack sample @ 1310 : 3

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 10 / 8 / 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' - 25'		10' - 30'		10' - 30'		10' - 25'		10' - 25'		10' - 25'		10' - 25			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		~~Stinger~~ Depth T.W (feet)		DTW	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
10-8					OPEN	23'	OPEN	28'	closed											
0800	21	89	1400	474	458	PPMV	860	PPMV												
1200	21	91	1406	531								22.78		21.79		18.48		21.47		
1600	21	89	1403	498																
2000	21	88	1403	483																
10-9																				
0800	21	86	1405	515	440	PPMV	849	PPMV				22.76		21.81		18.47		21.44		
1200	21	88	1402	500																
1600	21	87	1403	488																
2000	21	86	1401	472																
10-10																				
0800	21	89	1404	459	444	PPMV	878	PPMV												
1100	21	86	1409	480																
10-11																				
2000	21	87	1413	583																
10-12																				
0800	21	85	1405	558																
1200	21	88	1409	529	470	PPMV	900	PPMV				22.75		21.70		18.35		21.67		
1600	21	86	1403	505																
2000	21	85	1405	486																

Comments: 10-9-05 @ 1230 Took Combined Air Sample

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 10/13/2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' - 25'		10' - 30'		10' - 30'		10' - 25'		10' - 25'		10' - 25'		10' - 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		~~Stinger~~ Depth TW (feet)		DTW	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
10-13					OPEN	23'	OPEN	28'	closed											
0800	21	87	1405	473																
1200	21	85	1401	449								22.86		21.83		18.46		car		
1600	23	56	1403	430																
2000	23	54	1401	417																
10-14																				
0800	23	54	1400	387	362	PPMV	252	PPMV												
1200	23	57	1402	355								22.91		21.90		18.52		21.85		
1600	23	59	1400	342					OPEN 28'	PPMV 207										
2000	22	68	1400	333																
10-15																				
0800	22	71	1403	310	344	PPMV	239	PPMV	229	PPMV										
1200	22	70	1404	300								23.01		22.11		18.75		22.39		
1600	22	69	1401	293																
2000	22	70	1403	286																
10-16																				
0800	21	85	1401	277	309	PPMV	220	PPMV	197	PPMV										
1200	23	57	1400	266																
1600	23	59	1403	256																
2000	22	71	1403	250																

Comments: 10-14-05 @ 0830 Took Combined Air Sample: 10-14-05 @ 2000 Took water samples 90,000 Gallons:

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 10 / 17 / 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen Interval					10' - 25'		10' - 30'		10' - 30'		10' - 25'		10' - 25'		10' - 25'		10' - 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		~~Stinger~~ Depth TW (feet)		DTW	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
10-17					OPEN	23'	OPEN	28'	OPEN	28'										
0800	21	86	1402	252	289	PPMV	190	PPMV	199	PPMV										
1200	23	57	1404	247								23.04		22.17		18.86		car		
1600	23	54	1400	239																
2000	21	84	1401	232																
10-18																				
0800	21	86	1401	238	270	PPMV	186	PPMV	190	PPMV										
1200	22	68	1400	230								23.06		22.19		18.91		22.48		
1230									closed											
1600	24	46	1407	235																
2000	24	48	1400	227																
10-19																				
0800	24	45	1401	238	248	PPMV	182	PPMV												
1200	24	47	1404	245								22.71		21.85		18.61		car		
1600	24	45	1401	253																
2000	24	46	1401	247																
10-20																				
0800	24	45	1404	229	240	PPMV	180	PPMV				22.46		21.78		18.39		car		
1200	24	47	1402	225																
1600	24	47	1400	217																
2000	24	46	1402	210																

Comments: 10-17-05 @ 1530 Combined Air Sample:

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: Date: 10 /21/ 2005

Client: **EDD CLARK & ASSOCIATES** Operator (s): John

					Well#1: **MW-5**		Well#2: **EW-1**		Well #3: **EW-2**		Well #4: **MW-1**		Well #5: **MW-2**		Well #6: **MW-3**		Well #7: **MW-4**		Well #8:	
Initial Depth to Groundwater					19.52		18.81		18.77		20.83		19.99		16.99		19.25			
Screen interval					10' - 25'		10' - 30'		10' - 30'		10' - 25		10' - 25'		10' - 25'		10' - 25'			
Time	Unit Vacuum ("Hg.)	Total Flowrate (scfm)	TOX Temp. (degF)	TOX Inlet Conc. (ppmv)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)		Stinger Depth (feet)			Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)
10-21					OPEN	23'	OPEN	28'	closed											
0800	24	46	1400	199	200	PPMV	195	PPMV												
1200	24	48	1403	227																
1245					closed		closed					22.85		21.96		18.72		21.99		

Comments: 10-21-05 @ 1130 Took water discarge samples: @1200 Combined Air end MW-5 & EW-1: @1215 End Air sample MW-5: @1230 End Air sample EW-1:

* End Water Meter # 1136540

HIGH VACUUM DUAL PHASE EXTRACTION - *WATER METER FIELD DATA SHEET*

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: _____ Date: 9/2/2005

Client: **EDD CLARK & ASSOC.** Operator (s): John

Date	Time	Water Meter Reading	Cumulative Amount	24-hr Diff.
9-2	1100	1019080	Ø	
9-19	1600	1020320	1240	
9-20	1600	1022290	3210	1970
9-21	0800	1026000	6920	3710
	2000	1028370	9290	6080
9-22	0800	1029630	10550	3630
	2000	1031600	12520	3230
9-23	0800	1033920	14840	4290
	2000	1035410	16330	3810
9-24	0800	1037910	18830	3990
	2000	1040420	21340	5010
9-25	0800	1041300	22220	3390
	2000	1042380	23300	1080
9-26	0800	1044800	25720	3500
	2000	1047190	28110	4810
9-27	0800	1049970	30890	5170
	2000	1052260	33180	5070
9-28	0800	1052390	33310	2420
		1055060	35980	2800

Date	Time	Water Meter Reading	Cumulative Amount	24-hr Diff.
9-28	0800	1057800	38720	5410
	2000	1060250	41170	5190
9-30	0800	1062580	43500	4780
	2000	1064290	45210	4040
10-1	0800	1065650	46570	3070
	2000	1067880	48800	3590
10-2	0800	1070150	51070	4500
	2000	1072460	53380	4580
10-3	0800	1075490	56410	5340
	2000	1077720	58640	5260
10-4	0800	1079730	60650	4240
AS	2000	1081710	62630	3990
10-5	0800	1083760	64680	4030
	2000	1085610	66530	3900
10-6	0800	1087700	68620	3940
	2000	1089150	70070	3540
10-7	0800	1091160	72080	3460
		1092370	73290	3220
10-8	0800	1093940	74860	2780
		1095640	76560	3270

Date	Time	Water Meter Reading	Cumulative Amount	24-hr Diff.
10-9	0800	1097430	78350	
	2000	1098960	79880	3320
10-10	0800	1100110	81030	2680
10-11	2000	1100120	81150	1270
10-12	0800	1101230	82260	2380
	2000	1102700	83730	2580
10-13	0800	1103240	84160	1900
	2000	1105030	85950	2220
10-14	0800	1107030	87950	3790
AS WS	2000	1109140	90060	4110
10-15	0800	1111260	92180	4230
	2000	1113480	94400	4340
10-16	0800	1115920	96840	4660
	2000	1117990	98910	4510
10-17	0800	1120650	101570	4730
AS	2000	1122870	103790	4880
10-18	0800	1125060	105980	4410
	2000	1126620	107540	3750
10-19	0800	1128670	109590	3610
	2000	1130220	111140	3600

HIGH VACUUM DUAL PHASE EXTRACTION - *WATER METER FIELD DATA SHEET*

CALCLEAN INC.
(714) 734-9137

Project Location: **198 HIGH STREET** City: **SEBASTOPOL** Site #: _____ Date: 10 /20/ 2005 Page 11 of 11

Client: **EDD CLARK & ASSOC.** Operator (s): John

Date	Time	Water Meter Reading	Cumulative Amount	24-hr Diff.	Date	Time	Water Meter Reading	Cumulative Amount	24-hr Diff.	Date	Time	Water Meter Reading	Cumulative Amount	24-hr Diff.
10-20	0800	1132120	113040	3450										
	2000	1133710	114630	3190!										
10-21	0800	1135710	116630	3590										
	1300	1136540	117460											
	End													

*Start Water Meter # 1019080