

#### DEPARTMENT OF THE ARMY CAMP STANLEY STORAGE ACTIVITY, MCAPP 25800 RALPH FAIR ROAD, BOERNE, TX 78015-4800

June 15, 2009

U-###-09

Mr. Bryan Smith
Texas Commission on Environmental Quality
Industrial and Hazardous Waste Permits Section
P.O. Box 13087 (MC-130)
Austin, TX 78711-3087

Subject: Biannual Status Report (Month 19 - Month 24, November, 2008 - April, 2008) of the Pilot Study Class V Aquifer Remediation Injection Wells at Camp Stanley Storage Activity, Boerne, Texas, TCEQ Authorization No. 5X2600431; WWC12002216; CN602728206/RN104431655

Dear Mr. Smith:

The Camp Stanley Storage Activity (CSSA), McAlester Army Ammunition Plant, U.S. Army Field Support Command, Army Materiel Command, U.S. Army, is submitting this biannual report summarizing the injection activities performed at the on-post Solid Waste Management Unit (SWMU) B-3 site. The activities performed are part of the planned SWMU B-3 Pilot Study being performed to evaluate the effectiveness of enhanced anaerobic biodegradation (EAB) for treatment of chlorinated compounds in groundwater. The pilot study activities include the injection of recovered groundwater into mulch/gravel filled bioreactor trenches.

This biannual report contains data as specified by the Texas Commission on Environmental Quality (TCEQ) Underground Injection Control (UIC) permit for the months of November, 2008 through April, 2009 (Months 19-24). The biannual reporting data includes monthly samples of the injected groundwater for volatile organic concentrations (VOCs) and total dissolved solids (TDS) and field collected parameters including injection volumes, injection pressures and the pH of recovered groundwater. Data indicates that concentrations of contaminants did not exceed limits specified in 40 CFR §261.24 Table 1 as referenced in CSSA's UIC permit authorization.

Between November 1, 2008 and April 30, 2009 approximately 4,314,000 gallons of groundwater from wells CS-MW16-CC (~2,751,000 gallons), and CS-MW16-LGR (~1,563,000 gallons) were injected into SWMU B-3 bioreactor trench 1. A total of 14,837,962 gallons of recovered groundwater from CS-MW16-LGR and CS-MW16-CC have been injected into the bioreactor trench 1 since startup of the bioreactor. Samples of the injected groundwater, for this reporting period, were collected on November 18, December 18, 2008, January 21, February 19, March 19, and April 21, 2009. Results of analysis are summarized in the attached Table 1. Field forms which contain operating pressures and pH readings for the reporting period are also attached and the laboratory data packages are included in the accompanying CD.

Additionally, a new extraction well (B3-EXW01) is expected to be completed during next reporting period. The new extraction well will supply additional Lower Glen Rose aquifer waters to our bioreactor injection system. The location of B3-EXW01 is shown on an attached figure 1. CSSA will continue to monitor and operate the pilot study injection system within UIC permit requirements. Initial analytical data collected from the new extraction well, B3-EXW01, is included in the attached laboratory data.

If you have any questions regarding the information contained in this letter, please feel free to contact Glare Sanchez, CSSA Environmental Program Manager, at (210) 698-5208 or Ken Rice, Parsons, at (512) 719-6050.

Sincerely,

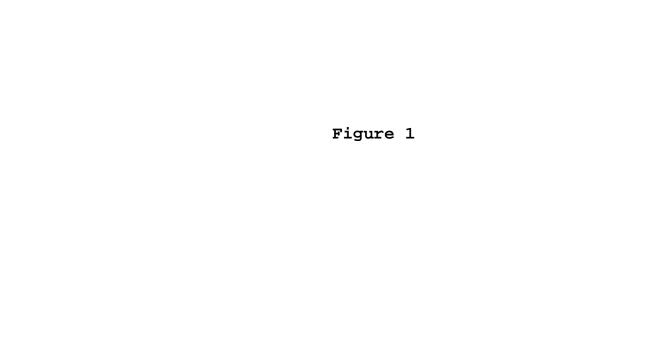
Jason D. Shirley
Installation Manager

#### Attachments

cc: Glare Sanchez, CSSA Environmental Program Manager
Wayne Elliott, USAE (ltr only)

Julie Burdey, Parsons (ltr only)

Ken Rice, Parsons
File: 745953.03000



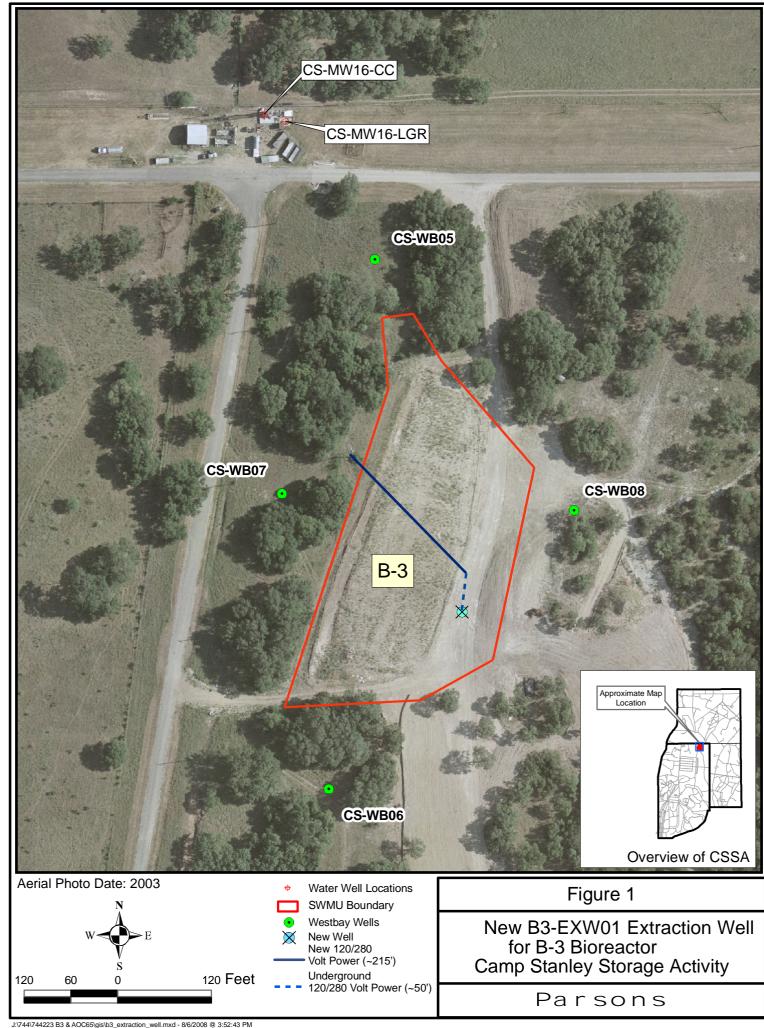




Table 1 B3 - UIC Analytical Results

			Sample ID	F	33-UIC		B3-UIC			B3-UIC		F	33-UIC		B3-UIC			33-UIC	
			Sample Date		1/18/08		2/18/08			01/21/09			2/19/09		03/19/09		04/21/09		
			Sample Type		N1	•	N1			N1			N1		N1		_	N1	
		s	ampling Method		Grab		Grab			Grab			Grab		Grab			Grab	
			Lab ID		X87598	А	X89212	:	А	X89924			X91473	Α	X93020	)	Α	X95374	
			B-3 UIC																
		Lab	Criteria (RCRA																
	Lab MDL	PQL	Haz.)	Results	Flags Dilution	Results	Flags	Dilution	Results	Flags	Dilution	Results	Flags Dilution	Results	Flags	Dilution	Results	Flags D	ilution
SW8260B (µg/L)																			
Cis-DCE	0.16	1.2		84	1	68		1	77		1	65	1	68		1	44		1
Trans-DCE	0.19	0.6		4.8	1	1.4		1	1.4		1	1.6	1	1.8		1	16		1
TCE	0.16	1.0	500.	92	1	79		1	78		1	79	1	76		1	72		1
PCE	0.15	1.4	700.	68	1	45		1	42		1	39	1	45		1	45		1
Toluene	0.17	1.1		0.17	U 1	0.17	U	1	0.17	U	1	0.17	U 1	0.17	U	1	0.17	U	1
Vinyl Chloride	0.23	1.1	200.	0.23	U 1	0.23	U	1	0.23	U	1	0.23	U 1	0.23	U	1	0.23	U	1
EPA 160.1 (mg/L)																			
TDS	4.4	10.		343	1	378		1	345		1	389	1	389		1	360		1
Field measured																			
рН				7.78		7.35			7.58			6.23		7.37			7.50		

Tables present all laboratory results for analytes.

Data packages for laboratory analysis results are presented in Attachment

All samples were analyzed by APPL Laboratory Services.

pH results reported were field measured

UIC criteria specified in 40 CFR 261.24 Table 1

#### Abbreviations and Notes:

Practical Quantitation Limit PQL MDL Method Detection Limit Environmental Sample N1 SQL Sample Quantitation Limit UIC Underground Injection Control

- J- The analyte was positively identified, the quantitation is an estimation.
- U- The analyte was analyzed for, but not detected. The associated numerical value is the MDL.



sonnel: 5,				Trench	Sumps Wa	ter Levels ('B	TOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently		Notes
ate: 11:5.0	9	Time: 133	0					Being Used (√)		
B3-T1-1	12.9	9.54	4.51	24.2%	0.886	-264.9	950 0.58			
B3-T1-2	12.4	9.07	6.67	23.40	0.827	-267.8	0.54	//		
B3-T1-3	12.85	8.84	4.071	23.73	0.734	-277.5	0.5%			
B3-T2-1	9.67	9.45								
B3-T2-2	10.01	9.78								
B3-T3-1	9.96	9.10	4.79	32.32	1.308	-261.9	0.35			
B3-T3-2	7.4	7.32	•		·					
B3-T4-1	6.32	DR4								
B3-T5-1	9.33	9.15								
B3-T5-2	7.98	7 89								
B3-T6-1	11.45	11.08								
B3-T6-2	12.34	11.98								
B3-UIC	Essettiat keritain									
				B-3		stem Monitorii	ng			
Meter	Mon	day	Tue	esday	Flow Meters	s Readings nesday	Thurs	day		Friday
Date/Time:	11.3.08	0925	11.4.08	0830	11.5.08	0800	11.6.08	0610	11.7.08	0830
				Ra'	te (gpm) / Cum	ulative Total (gal)				
T-1	24.1	8,934,509	10.1/26.	2268668	28.2	9,985,732	26.2	9,006485	26.7	9,028,342
T-2			/	18966849		· ′		, ,		
T-3										
T-4 T-5				-						
T-6										
B-3 (Total)										
S-MW16-LGR	8.43	859 046	8.32	890566	0.00	877.71.8	0	885746	0/	894073
CS-MW16-CC	14.25	249,226	14.09	1268,671	0.00	280.584	8	294518	Ø	309,050
	Bag Fi	Iter Pressure	Reading (Pro	essure Drop (P	B-1) - (PB-2)= '	Note: If bag filter	pressure drop is	s > or = 20 psi cl	THE RESERVE OF THE PERSON NAMED IN	
	PB-1 - PB-2 = 4	0-40=0	PB-1 - PB-2 =	0 = 0 = 0	PB-1 - PB-2 = 4		PB-1-PB-2 = 42-	40 = 2	PB-1 - PB-2 =	44-42-2
	null-LGR=		1 1 9	53/4/1	Tanv i	< 3/c full	Tak	· 3/4 £11		NW-14-LGR=280.
3	nw16-ce =		lank 1	5 /14 this	H	53/5 full wire-car = 266	eg lank	153/4 tull		MW14-CC = 327
	tank = 5/8			-Pump not o	M.	W14-CC - 348	8 MWII	- LGR = Z60.7	Tan	k is fall
- }	urned sclar			floats -TP	Kicker on.	- turned of	f 1	urned of	Tuv	ned off TP tov
		0 (	MWILE-L	Gl= 289.7	Weel			TP for the	No.	GICIO ZEZA
			MWIU-	((= 372.8		ther	uchar	night		1d 6223540
				1 1	f Cr He nil		4		201	101

Personnel 5.Ell	off & J. Bi	rich			*	1
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	11/5/08	1000		14.20 14.09	22,89
CS-WB05-LGR-02	182		1005	14.02	14.25	14.12
CS-WB05-LGR-03A	216		1004		14.30	14.25
CS-WB05-LGR-03B	262		1003		20.50 19.84	16.92
CS-WB05-LGR-04A	277		1002		26.36	22.55
CS-WB05-LGR-04B	329		1000		49.85	53,28
CS-WB05-BS-01	362		0959		64.00 3.41	71.33
CS-WB05-CC-01	432		0957		93.74	63.27
CS-WB05-CC-02	460		0954		105.90	75.76
CS-WB06-UGR-01	20		1042	111.05	14.20 4. 07	16.10
CS-WB06-LGR-01	93		1041	14.65	14.12	16.38
CS-WB06-LGR-02	174		1039		14./4	17.60
CS-WB06-LGR-03A	207		1038		14.18	20,29
CS-WB06-LGR-03B	260		1036		22.54 48.80 UK 54	43.18
CS-WB06-LGR-04	320		1035		70.01	44.39
CS-WB07-UGR-01	14		1058		14.20	14.66
CS-WB07-LGR-01	90		1057		14.20	17.85
CS-WB07-LGR-02	175		1056	14.06	14.15	25.12
CS-WB07-LGR-03A	208		1055	1,,,,,	14.16	16.18
CS-WB07-LGR-03B	257		1054		16.50	34.36
CS-WB07-LGR-04	318		1053		14.20	43.36
CS-WB08-UGR-01	38		1023		14.25	-14.11
CS-WB08-LGR-01	115		1021		14.25	28.01
CS-WB08-LGR-02	193		1020	14.03	14.30	1694
CS-WB08-LGR-03A	228		1019		20.55	14.23
CS-WB08-LGR-03B	273		1018		20.21	16.11
CS-WB08-LGR-04	341	$\bigvee$	1016		50.00	45.89

5,Elliott Bouch Personnel Weekly Water Level Monitoring Sampling Port Sample Sample Pressure Pressure in Zone Well Interval at TOC (psi) MP (psi) Pressure (psi) Depth (ft BTOC) Date Time 14.20 1421 11/12/08 22.76 14.01 99 CS-WB05-LGR-01 14.25 1420 14.11 14.07 CS-WB05-LGR-02 182 14.30 14.1 1419 14.00 17.11 CS-WB05-LGR-03A 216 20.50 16.84 1418 262 CS-WB05-LGR-03B 27.00 21.99 1417 26,26 277 CS-WB05-LGR-04A 49.85 44.46 1415 CS-WB05-LGR-04B 329 64.00 59.37 1414 63,24 CS-WB05-BS-01 362 94.00 62.85 1413 CS-WB05-CC-01 432 106.85 75.24 1412 105.80 CS-WB05-CC-02 460 14.20 1504 15.99 20 CS-WB06-UGR-01 13.98 14.20 16.32 1503 14,03 93 CS-WB06-LGR-01 14.30 7.55 1502 CS-WB06-LGR-02 174 14.35 20,10 1501 207 CS-WB06-LGR-03A 22.81 22,44 43,00 1458 CS-WB06-LGR-03B 260 48.8048,50 43,83 1456 CS-WB06-LGR-04 320 14.20 4 42 522 CS-WB07-UGR-01 14 14.25 1521 14.06 90 CS-WB07-LGR-01 14.20 4.09 24.93 520 175 CS-WB07-LGR-02 4.00 14.30 1519 208 CS-WB07-LGR-03A 16.70 1518 16.42 37.28 CS-WB07-LGR-03B 257 43,22 42.94 1517 CS-WB07-LGR-04 318 14.20 1440 14.0 CS-WB08-UGR-01 38 14.25 1439 CS-WB08-LGR-01 115 14.25 1438 14.07 CS-WB08-LGR-02 193 14.30 14.10 1437 228 CS-WB08-LGR-03A 20.55 1430 20.17 15.65 CS-WB08-LGR-03B 273 50.00 1435 4971 45.35 CS-WB08-LGR-04 341

				rench :	Sumps Wat	ter Levels ('E	31OC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently		Notes
ate: 11-14-08	3	Time: (03'	0					Being Used (√)		
B3-T1-1	12.9	10.37	6.43	24.44	0.817	-173.8_	0.34			
B3-T1-2	12.4	9.39	6.61	23.44	0.719	-277.5	0.63	//		
B3-T1-3	12.85	9.59	6.57	23.30	0.720	-219.3	0.66			
B3-T2-1	9.67	1.47								
B3-T2-2	10.01	10.03								
B3-T3-1	9.96	9.12	6.80	31.86	1.187	-236.0	0.42			
B3-T3-2	7.4	DRY	4,00	3000	110	250.0	7			
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	9.21								
B3-T5-2	7.98	7.9								
B3-T5-2 B3-T6-1	11.45	11.05						+		
B3-T6-1	12.34	11.93								
B3-10-2	12.34	11.17								
20 0.0				B-3	Fransfer Sys	stem Monitori	na			
				20	Flow Meters	Readings	119	Maria de la Sala de la		
Meter	Mon			sday		nesday		rsday	-	Friday
Date/Time:	11.10.08	0900	11.11.08	0815	11.12.08	0815	11.13.08	100	11.14.08	1025
T 4	16.	207,80	7 10 2		1 .	ulative Total (gal)	28.2	A111-7 01	10	6.68801
T-1 T-2	16.1		10.2	9097906	10-4	0,11 1100	20.2	9,140,386	10-1	9,158,801
T-3		90780 22								
T-4		1								
T-5					,	+		-		-
T-6		!								
B-3 (Total)										
S-MW16-LGR	Ø	912,876	9.21	920,697	8-60	929,277	\$	938070	8.76	944,750
CS-MW16-CC	Ø	339 507	13.82	352209	13.98	365942	2	380279	13.87	390 85
		Iter Pressure	Reading (Pre	ssure Drop (P	B-1) - (PB-2)= *		pressure drop	is > or = 20 psi cl		
	PB-1 - PB-2 = 0	-0			PB-1 - PB-2 =	- 0 = 0	PB-1 - PB-2 = L	4-40=41	PB-1 - PB-2 =	9-0=0
otes: Jank	ishelf	full i	MW-16CC - MW-16LGR	304:2	Tank i	s 3/5 full	Tank is	full	Tank	is 3/5 ful
turned	on TP		turnedor		1	rned on TP	turned	onTP	Thrn	ed on TP
MW-11	u-cc - 34	67	TZ	ink is 3/5 for	11	0.			MW 16-CC	: 323.3
	16-LGR 25		10	17 10	Week	18			WMIR-TR	P=267.7
1.1.4	roll to	1 , 6	ght						10/10/10 - 1	- Taric

ersonnel:	J. Donel	1 1 to	inalex	Trench	Sumne Wat	er Levels ('E	RTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)	100000000	Notes
ate:	08	Time: 0	955							
B3-T1-1	12.9	10.53	6.33	24.13	0.804	-249,3	0.52	V /	Sampled@	
B3-T1-2	12.4	10.02	7.05	23.34	0.723	-279.3	0.38	V	Sompled @ 1	305
B3-T1-3	12.85	9.76	6.71	23.13	0.740	-249.9	0.34		52-ded@	
B3-T2-1	9.67	9.52								
B3-T2-2	10.01	10.01 d	y -							
B3-T3-1	9.96	7.13	10							
B3-T3-2	7.4	9.13 DET								
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	9.23								
B3-T5-2	7.98	7.92								
B3-T6-1	11.45	11.05								
B3-T6-2	12.34	11.94					(A)			
B3-UIC			7.78	23.35	0,515	-6.0	4.52		so-pled @1	1310
				B-3		stem Monitor	ing			
					Flow Meters					
Meter  Date/Time:	Mor	905	11.13.08	<b>sday</b> 0950	LLIND 8	nesday 0844	11.20.08	rsday 0%53	11:21.00	Friday
Date/Tille.	1 1111106	105	11111300	Ra	te (gpm) / Cum	ulative Total (gal	1 11.70.00	0055	11.14.00	1361
T-1	8,90 /27.6	9203768	10.6/	9225225	25.2	9256320	10.1	9282788	28.7	9301952
T-2			25.9	17-17-7		11				7
T-3	r									
T-4										
T-5										
T-6	-		-				-			
B-3 (Total)	100/01/	9,1001	12-11	000 1	0 ~ 1.	000000	0	06170-	2 00	77.15
	0.0/8.65	10000	0.0/8.54	120,223	8.76	980809	0.65	991,282	8.58	492519
-3-IVIVV16-CC	Bag Fi	ilter Pressure	Reading (Pre	essure Drop (F	PB-1) - (PB-2)= *	Note: If bag filter	r pressure drop	is > or = 20 psi	change fliter.	197519
***	PB-1 - PB-2 =		PB-1 - PB-2 = (X	-N-W	PB-1 - PB-2 = 64	731=10	PB-1 - PB-2 = 0	0/ = 0/		14-35=6
otes Tak			TINKIS	3/5-11	*Tank		MALLIN -	CC = 3643	1	30 4
			_ ^ _	d spring in	RI		Mulle Tankis	31- 01	1	7
			>000 TIXE	1 50% (ha ev	1+0043		lankis	15 tull		

MW14-CL 3015

\*Turned off wells in order to test low flood TP through off JUST below "14 tank

Personnel A. Li	rdley; J.	bouch					]
				el Monito	oring		]
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)	
CS-WB05-LGR-01	99	11.17.08	6941		14.204.29	22.82	
CS-WB05-LGR-02	182		0940		14.25	14.34	
CS-WB05-LGR-03A	216		1938		14.30	14.25	
CS-WB05-LGR-03B	262		0937		20.50	16.91	@ 1015
CS-WB05-LGR-04A	277		0936	14.26	26.53	22.69	
CS-WB05-LGR-04B	329		0935		49.85	45.28	
CS-WB05-BS-01	362		0934		64.00	59.75	
CS-WB05-CC-01	432		0933		94.00	71.33	
CS-WB05-CC-02	460	V	0932		106.85 106.06	83.75	
CS-WB06-UGR-01	20	11.17.08	1436		14.20	14.22	
CS-WB06-LGR-01	93		1435		14.20 4.24	14.53	
CS-WB06-LGR-02	174		1434	14.18	14.29	17.59	
CS-WB06-LGR-03A	207		1433	, , ,	14.35	20.04	
CS-WB06-LGR-03B	260		1432		22.81	42.92	@ 150C
CS-WB06-LGR-04	320	Ψ	1431		48.80	43.94	
CS-WB07-UGR-01	14	VI.17.08	1323	14.19	14.20	14.55	
CS-WB07-LGR-01	90		1322	,	14.25	17.81	
CS-WB07-LGR-02	175		1321		14.20	24.93	
CS-WB07-LGR-03A	208		1319		14.30	16.07	
CS-WB07-LGR-03B	257		13 18		16.70	37,26	@1330
CS-WB07-LGR-04	318	₩	1315		43.22	43.12	
CS-WB08-UGR-01	38	11.17.08	1554	(AU)	14,23	15.16	
CS-WB08-LGR-01	115		1553	14.19	14.25	27.61	
CS-WB08-LGR-02	193		1552		14.25	16.89	
CS-WB08-LGR-03A	228		1551		14.30	14.30	
CS-WB08-LGR-03B	273		1550		20.55	15.72	Co1600
CS-WB08-LGR-04	341	1	1547		50.00 <b>49</b> ,91	45.35	

				Trench	Sumps Wa	ter Levels ('I	BTOC)		
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently	Notes
Date: 11/24/1	8	Time:	030					Being Used (√)	
B3-T1-1	12.9	10.75	6.41	24.35	0.990	-221.3	0.65		
B3-T1-2	12.4	10.10	6.60	22.73	0.939	-242.0	0.60		
B3-T1-3	12.85	9,92	6.63	22.47	0.846	-213.7	0.60		
B3-T2-1	9.67	DRY							
B3-T2-2	10.01	DRY							
B3-T3-1	9.96	9.15,							
B3-T3-2	7.4	DRT							
B3-T4-1	6.32	DRY							
B3-T5-1	9.33	DR4							
B3-T5-2	7.98	7.98							
B3-T6-1	11.45	11.01							
B3-T6-2	12.34	11.94							
B3-UIC									
				B-3		stem Monitor	ring		
Matan	Mar				Flow Meters				Control of the Asset Control of the
Meter  Date/Time:	Mon	0900	11/25/08	esday	11/34/08	nesday 084	11/27/08	sday	Friday 0945
	11/01/00	0100	100/100	Ra		ulative Total (gal	)		
T-1	28711	9343332			22.00	9,373,095	21 0727	19.437,719	
T-2	111					,	Em + rear	, ,	
T-3	adjusted)						( )}-	3	
T-4							top of H		5-17
T-5			-						
T-6									
B-3 (Total) S-MW16-LGR	8.71	10.00	-		8,43	301.12	8.76	72111.1	
	13.98	5/8/17			15.02	30,612. 536,833	14.63	53961	
CS_MW16.CC	Bag Fi		Reading (Pr	essure Drop (F		Note: If bag filte	r pressure drop	s > or = 20 psi o	change fliter.
CS-MW16-CC			PB-1 - PB-2 =		PB-1 - PB-2 = 46				PB-1 - PB-2 =
CS-MW16-CC		-30 -10					MWIL-LLR		
	PB-1 - PB-2 = YU	-30 -10			mw 16-168	- 400		7777	
otes: [hw]/-	PB-1-PB-2=41 LGR=240.6	-38 = 10			MWIL-LGR	= 301.7			
otes: [hw]/-	PB-1 - PB-2 = YU	-30 -10			mulle-cc tank =	= 301.7	mw16-CC tunk=	= 371.9 3/4 and	trunsfer pump was off,
otes: Mulu- mulu 3/4	PB-1-PB-2=46 LGR= 240.66 -CC= 303.9 Tank				mulle-cc tank =	= 301.7 3/5 mg sturned back	mwll-cc tunk=	= 371.9 3/4 and floot Su	
otes: Mulli- mulli 3/4	PB-1-PB-2=46 LGR= 240.66 -CC= 303.9 Tank				mulle-cc tank =	= 301.7 3/5 mg turned buk kS3	mw16-CC tunk=	= 371.9 3/4 and floot Su	trunsfer pump was off, which pame on, after level working, P.O.S.

Personnel 5,E/I	10H & J. B.	such				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	11/24/08	0929		14.20 14.22	14.90
CS-WB05-LGR-02	182		0928	14.14	14.25	14.22
CS-WB05-LGR-03A	216		0927		14.30	14.34
CS-WB05-LGR-03B	262		0926		20.50	16.62
CS-WB05-LGR-04A	277		0925		24.33	22.43
CS-WB05-LGR-04B	329		0924		49.85	44.95
CS-WB05-BS-01	362		0922		64.00	80.14
CS-WB05-CC-01	432		0921		94.00	48,28
CS-WB05-CC-02	460		0920		106.85	80,73
CS-WB06-UGR-01	20		1006	14.21	14.29	14.17
CS-WB06-LGR-01	93		1005		14.20	14.45
CS-WB06-LGR-02	174		1004		14.30	17.60
CS-WB06-LGR-03A	207		1003		14.31	19.88
CS-WB06-LGR-03B	260		1002		22.US 48.80	42.77
CS-WB06-LGR-04	320		1001		48.69	43.94
CS-WB07-UGR-01	14		1020		14.20	14.61
CS-WB07-LGR-01	90		1019		14.23	17.87
CS-WB07-LGR-02	175	(vine)	1018	14.17	14, 2 %	24.80
CS-WB07-LGR-03A	208	10-17	1017	,	14.30	14.06
CS-WB07-LGR-03B	257	10 10	0959	14.56	43.22	14.74
CS-WB07-LGR-04	318	1015	0954	43.62	14.20	43.94
CS-WB08-UGR-01	38		0944		14.21	14.76
CS-WB08-LGR-01	115		0945	116.16	14.25	25.55
CS-WB08-LGR-02	193		0944	14.15	14.28	14.90
CS-WB08-LGR-03A	228		0943		20.55	14.26
CS-WB08-LGR-03B	273		0942		20.29	15.83
CS-WB08-LGR-04	341	V	7941		JR50.	45.44

43.14

Personnel 5.Ell;	++ + J. Bo	uch				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	12/5/08	1005		14.30	22,72
CS-WB05-LGR-02	182		1004		14.25	15,13
CS-WB05-LGR-03A	216		1003	14.22	14.30	14,24
CS-WB05-LGR-03B	262		1002		20.50	16.50
CS-WB05-LGR-04A	277		1001		27.00	21.75
CS-WB05-LGR-04B	329		1000		49.85	44,27
CS-WB05-BS-01	362	amento de literarios.	0958		64.00	59.04
CS-WB05-CC-01	432	The activation of the second	0957		94.00	77.06
CS-WB05-CC-02	460		0956		105.95	89.11
CS-WB06-UGR-01	20	Sangar palayar and a sangar and	1043	14.27	14.20	15,23
CS-WB06-LGR-01	93		1042	Flin	14.30	16.52
CS-WB06-LGR-02	174		1041		14.35	17.63
CS-WB06-LGR-03A	207		1040		14,40	19.71
CS-WB06-LGR-03B	260		1039		22.73	42.60
CS-WB06-LGR-04	320		1038		14.20	43.62
CS-WB07-UGR-01	14	a	WHITE	1059	14.25	14.68
CS-WB07-LGR-01	90	ACTION TO A STATE OF THE ACTION AND A STATE	1058		14.32	17.75
CS-WB07-LGR-02	175		1057	1420	14.30	24.59
CS-WB07-LGR-03A	208		1056	1 (12	14.39	15.97
CS-WB07-LGR-03B	257		1055		43.22	37.18
CS-WB07-LGR-04	318		1054		14.20 , = 0	42.68
CS-WB08-UGR-01	38		1025		14.29	14.30
CS-WB08-LGR-01	115		1024	1 20	14.25	24.08
CS-WB08-LGR-02	193		1023	14.25	14.36	16.85
CS-WB08-LGR-03A	228		1022		14.41	14.34
CS-WB08-LGR-03B	273		1021		20.36	15.40
CS-WB08-LGR-04	341	V	1020		50.26	45 -09

Date   12 5 0 0   Time:   CV-50   Time:   Time:   CV-50   Time:   Ti				ГОС)	er Levels ('B	umps Wate	Trench S		Bouch	11111	Personnel: 5.
Ba3T1-1   12.9   10.9	otes	No	Currently		ORP				Level (ft BTOC)	(ft BTOC)	<b>基件</b>
B3-T1-2 12.4 10.4% 0.60 22.26 0.703 -214.3 0.73  B3-T1-3 12.85 16.5 16.5 16.5 16.5 2.19.5 0.52 -16.3.3 0.777  B3-T2-1 9.67 7.63  B3-T2-2 10.01 DR   B3-T3-1 9.96 9.12   B3-T3-1 9.33 DR   B3-T5-1 9.33 DR   B3-T5-1 9.33 DR   B3-T6-1 11.45 11.06   B3-T6-2 12.34 11.9   B3-T6-2 12.34 11.			some cood (1)						The same of the sa	5.08	Date: 12
B3-T1-2			/	0.83	-233.3	0.415	23.44	6.43	10.9	12.9	B3-T1-1
B3-T2-2 10.01 DR   B3-T3-1 9.96 9 12   B3-T3-2 7.4 DR   B3-T3-1 9.96 9 12   B3-T3-2 7.4 DR   B3-T3-1 9.96 9 12   B3-T3-2 7.4 DR   B3-T5-1 9.33 DR   B3-T5-1 9.33 DR   B3-T5-2 7.98 DR   B3-T5-2 7.98 DR   B3-T6-2 12.34   B3-T				0.73		0.703	22.26	6.60		12.4	B3-T1-2
B3-T2-2   10.01   DR			V	0.77	-163.3	0.652	21.95	4.59		12.85	B3-T1-3
B3-T3-1   9.96   9.12						•				9.67	B3-T2-1
B3-T3-2									DRY	10.01	B3-T2-2
B3-T3-2									9.12	9.96	B3-T3-1
B3-T5-1									DRY	7.4	B3-T3-2
B3-T5-2									DRY	6.32	B3-T4-1
B3-T6-1 11.45   1.0									DRY	9.33	B3-T5-1
B3-T6-1 11.45   1.0	·								DR4	7.98	B3-T5-2
B3-T6-2   12.34   1.9									11.06	11.45	B3-T6-1
B3-UIC  B-3 Transfer System Monitoring  Flow Meters Readings  Wednesday  Thursday  From Meter Monday  Tuesday  Thursday  Thursday  Thursday  Thursday  Thursday  Thursday  Thursday  Total  Tot									1191	12.34	B3-T6-2
Meter   Monday   Tuesday   Wednesday   Thursday   Fr											
Meter   Monday   Tuesday   Wednesday   Thursday   Fr				g			B-3 T				
Date/Time: 12 11 06 1030 12 208 075 12 200 0070 12 400 000 12 508  Rate (gpm) / Cumulative Total (gal)  T-1 10? 9474,151 24.5 9,495,377 25.7 9515692 1.2 5954944 (272)  T-2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<b>公司</b> 经国际公司 1000 0000 0000 0000 0000 0000 0000 00	•								
Rate (gpm) / Cumulative Total (gal)  T-1	niday 0845	n 5 · n Q	ARACE I	I nurs			sday	1112 / 18	(07/)		
T-1	7045	12,00	0000	17.01.00	lative Total (gal)	gpm) / Cumu	Rat	104 0100	1030	14/1/08	Date/Time.
T-2  T-3  T-4  T-5  T-6  B-3 (Total)  CS-MW16-LGR  CS-MW16-CC  Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2)= "Note: If bag filter pressure drop is > or = 20 ps; change filter.  PB-1 - PB-2 = 43 - 42 =   PB-1 - PB-2 =   PB-1	9546.816	672	1534944	1.25				24.5	9474,151	10 ?	T-1
T-4  T-5  FY 20 CM  T-6  B-3 (Total)  CS-MW16-LGR  CS-MW16-CC  Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2) = *Note: If bag filter pressure drop is > or = 20 psi change filter.  PB-1-PB-2= 43-42 =   PB-1-PB-2= 43-42 =   PB-1-PB-2=   PB-1-	42 111	7	11 11 11		1P		,,,,,,		, ,	Λ.	T-2
T-4  T-5  FY 20 CM  T-6  B-3 (Total)  CS-MW16-LGR  CS-MW16-CC  Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2) = *Note: If bag filter pressure drop is > or = 20 psi change filter.  PB-1-PB-2= 43-42 =   PB-1-PB-2= 43-42 =   PB-1-PB-2=   PB-1-									needs	y meter	T-3
T-6  B-3 (Total)  CS-MW16-LGR  CS-MW16-CC  Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2)= "Note: If bag filter pressure drop is > or = 20 psi change fliter.  PB-1-PB-2= 43 -42 =   PB-1-PB-2= 43 -41 = 3   PB-1-PB-2= 43 -42 =   PB-				· \					+ read	Inco	
B-3 (Total)  CS-MW16-LGR  FOOL SISO FITTS  CS-MW16-LGR  CS-MW16-CC  Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2)= *Note: If bag filter pressure drop is > or = 20 psi change fliter.  PB-1-PB-2= 43 - 42 = 1 PB-1-PB-2 = 43 - 41 = 3 PB-1-PB-2 = 43 - 42 = 1 PB-				·					-5	1.7	
CS-MW16-LGR 7066 8.86 175,748 0 33686 8.71 94473 0.71  CS-MW16-CC 407,020 13.93 (16.368 0) 627,145 0 634.856 NOT 0.1  Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2)= *Note: If bag filter pressure drop is > or = 20 psi change fliter.  PB-1-PB-2=43-42=1 PB-1-PB-2= 43-46=3 PB-1-PB-2= 43-42=1 PB-1-PB-2= 0 PB-1-PB-2= 0  Notes: MW16-LGR=345.4								5	7	top of 7	
CS-MW16-CC   (07,020   3.93   (16,368   8)   (27,145   8)   (34,856   Not. O)    Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2)= "Note: If bag filter pressure drop is > or = 20 psi change fliter.  PB-1-PB-2=43-42=   PB-1-PB-2= 43-42=   PB-1-PB-2=   PB-1	104731	80-1	11:10 2	10 PL	871.61	————	M1~11N	001	2001.)	'	
Bag Filter Pressure Reading (Pressure Drop (PB-1) - (PB-2)= *Note: If bag filter pressure drop is > or = 20 psi change filter.  PB-1-PB-2=43-42=1   PB-1-PB-2=43-4(=3   PB-1-PB-2= 43-42=1   PB-1-PB-2= 6   PB-1-PB-2= 6    Notes:    Mwlu-LGR = 285.4				0.71	129 146	<u> </u>	1016 21.0				
PB-1-PB-2=43-42=1   PB-1-PB-2=43-4(=3   PB-1-PB-2= 43-42=1   PB-1-PB-2= 0   PB-1-				ressure drop is	lote: If bag filter	V/	ssure Drop (Pl		ter Pressure	Bag Fil	C2-14144 19-CC
MUNIU-CC = 383.7 mulli-LGR = 275.9 Tank is 3/5 full Tank is 1/5 full Tank to 1/5 full Tank to 1/5 full Tank to 1/5 full Tank to 1/5 full turned on xfer owns tank = 5/4 Muju-cc = 356.9 all the way	-0-N										
mulli-cc = 353.7 mulli-cc = 342.5 Hall lank 15 15 tall lank 15 t	- /	-	1-1-1				The state of the s	THE RESERVE OF THE PARTY OF THE		- 13	lotes:
turned on lifer pump tank= 5/4 Muzu-cc = 356.9 all the way	16 1/	Link	15 tull	1011K- 15	5 75 mil	lank 1					
prived on the house truly to the truly to th	- 15 (	10114	Natitof C	OF CHILL	GK = 251.9	MWILE - L					
Logo Pall 1 A Delian 1			1000	VIII TIL	(C - 22 ft.)	MM M.	1/3	Tunk =			70
tank=full Week84 MW16-LGL=284.7 MW16-CC=295.4		-	1 = 204. F	MW 16-L	84	Week	14.12			Tank = toll	

CC - NOT OIL

	·Bouch;			Trench	Sumps Wa	ter Levels ('B	TOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ate: 12.12.	0%	Time: 10						Beilig Osed (V)		
B3-T1-1	12.9	10.36	6.34	21.60	0.950	-245.3	0.89			
B3-T1-2	12.4	10.25	6.47	22.0	0.963	-245,1	0.89			
B3-T1-3	12.85	10.10	6.45	21.81	0.973	1-228,3	0 69			
B3-T2-1	9.67	9.65								
B3-T2-2	10.01	DRY								
B3-T3-1	9.96	9.15								
B3-T3-2	7.4	190								
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	DV-1								
B3-T6-1	11.45	11.05								
B3-T6-2	12.34	1190	-							
B3-UIC								DAY STATE		
				B-3 ~		stem Monitori	ng			
					Flow Meters		<b>多数数数数数</b>			
Meter  Date/Time:	12.8.00	0810	12.9.08	sday	₩ed	nesday 0900		0900		Priday 0750
Date/Tille.	17.8.00	0010	12.7.00	Ra	te (apm) / Cum	ulative Total (gal)	12.11.00	0900	12-12-08	0.130
T-1	7.07	9577619	8.21	9588331	7.03	9-97-055	10.58	9605,823	35.6	9622558
T-2		14.		1	1.00	10 110		100	-	1000
T-3										
T-4										
T-5										
T-6							J.	4394750	1530	
B-3 (Total)	13/	1011 0 00	0 411	145680	2.11	155 000	0.00	(1.1/22	011	10-21-61
S-MW16-LGR	Ø	634856	8.71	175000	8.71	155,009	8.99	164,305	8.65	17-363
S-MW16-CC	Bag Fi	Iter Pressure	Reading (Pre	ssure Drop (P	B-1) - (PB-2)=	*Note: If bag filter	pressure drop	is > or = 20 psi ch	ange fliter.	199.400
	PB-1 - PB-2 =		PB-1 - PB-2 =7			0-0=10				40-40=0
tes: r	1W16. LGR = 2-		7	7-9	MWILE - LG			/ / /		A1.1 11. 11.10
	nwhi-cl = 3				mwlb-cc	= 282.1	* CL STO	sted work in	9@ \$1037	MW 16-CG
-		1 1	-				. 1	1. 1. 0.	1	1100 10
1617	1 15 15	TAIL	lany	(1515 fi	all lan	K15 /5 FM	Turne	LTPOFF FOR	111	Tank 1/2
1711										Turned

+ mw/16-cc cut out 12/3, wires in ownel burned up, to be fixed to morrow 12/9

Personnel J. Doi	nch jA Liv	alley				
		ly Wat		l Monito		
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	12.11.08	14.14		14.20	22.64
CS-WB05-LGR-02	182	1	file		14.25	14.19
CS-WB05-LGR-03A	216		1415	. *	1420	14.16
CS-WB05-LGR-03B	262		1414		20.50	19.26
CS-WB05-LGR-04A	277		1413	11127	24.2	21.68
CS-WB05-LGR-04B	329		1412	14.07	49.850 0 2	44.02
CS-WB05-BS-01	362		1411		64,003.17	59.75
CS-WB05-CC-01	432	1	1409		93.58	72.91
CS-WB05-CC-02	460	V	1407		105.74	85.40
CS-WB06-UGR-01	20		1454		14.13	15.93
CS-WB06-LGR-01	93		1453		14.15	14.38
CS-WB06-LGR-02	174		1952	14.09	14.35	17.59
CS-WB06-LGR-03A	207		1450		22.81	19.65
CS-WB06-LGR-03B	260	1	1448		22.59	42.57
CS-WB06-LGR-04	320	<u> </u>	1447		14.20	43.15
CS-WB07-UGR-01	14		1441		14.12	14.36
CS-WB07-LGR-01	90		1440	14,08	14.20	17,77
CS-WB07-LGR-02	175		1439		14,20	24.49
CS-WB07-LGR-03A	208		1438		16.70	15,94
CS-WB07-LGR-03B	257	1	1437		16.44 43.22 43.00	37.14
CS-WB07-LGR-04	318	,	1435		14.20	42,38
CS-WB08-UGR-01	38			*	14.25	
CS-WB08-LGR-01	115			/	14.25	
CS-WB08-LGR-02	193				14.30	
CS-WB08-LGR-03A	228				20.55	
CS-WB08-LGR-03B	273	1			50.00	
CS-WB08-LGR-04	341	V				

16.26 OB

week 85 \* Mosdax quit working no communications

Personnel: J.	bouch	1; 1.	Lindler	Trench	Sumps Wat	ter Levels ('E	BTOC)	,		
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
Date: 12/16	108	Time: 0900						Being Used (V)		
B3-T1-1	12.9	9.4	4,55	21.52	3.767	1-272.1	0.51	50	0900 527	L
B3-T1-2	12.4	9.34	6.49	21.89	0.4500	1-205.6	0.660	TO V	0935 52	ple
B3-T1-3	12.85	9.05	4.53	21.04	8.718	-242.9	0.47		1005 52	ph
B3-T2-1	9.67	8.74	6.83	24.06	0.680	-48.1	1.28	./	Sampled @	0925
B3-T2-2	10.01	DRY								
B3-T3-1	9.96	9,16								
B3-T3-2	7.4	dry								
B3-T4-1	6.32	dry								
B3-T5-1	9.33	olny								
B3-T5-2	7.98	dry								
B3-T6-1	11.45	11.00								
B3-T6-2	12.34	11.90								
B3-UIC			735	22.41	0.628	-5.8	5.91		Sampled	0950 /12.18.08
				B-3	Transfer Sys	stem Monitor	ing			
					Flow Meters					
Meter  Date/Time:	Mon 12/15/2008	9830	12/16/2008	0845	12/17/2008	nesday 0020	12/18/2008	0830	12/19/2008	Friday
Date/Time.	12/15/2006	<b>4050</b>	12/10/2008			ulative Total (gal		0030	12/19/2008	
T-1	6.65	9672567	36.6	9692305	35,3	9711917	30.1	19731469	359pr	9.751.92
T-2	19	1	19,3	33305	19.4	43195	17.7	\$1950	19"	97709
T-3				,					1	1/1
T-4										
T-5										
T-6										
B-3 (Total)		0 - 0			11000	107	1			911000
CS-MW16-LGR	8.99	201,839	8.54	212,371	0/8.82	222,484	Ø/	232 400	8.8	242806
CS-MW16-CC	15.40	693879	Peading Pr	415358	15.077 PR-1) - (PR-2)= *	736019 Note: If bag filter	nressure dron	457 299	hange fliter	77862
	PB-1 - PB-2 = N	(Ve- 8	PB-1 - PB-2 = L	64-40 - XV	PB-1 - PB-2 = /15	-CIO = 5	PB-1 - PB-2 = U 1	. 10 - 1	PB-1 - PB-2 =	45-38
TANK IS	15 TW1	794358	. 1	15 3/L for	MWHO-	5-40=5 cc-364.3 val=284.5	16	nkis 78 fi	^(	Tankis 1/8 fo
		7945		(c = 36;	T		5 Tank		,	

MW 14 - UG K 2 85.2 Tread on Ker zong (Auto: shoot clocks or zong care on)

Personnel 18	, ,	Lindley		1.8.4 16			]
	VVEEK Sampling Port	Sample	Sample	el Monito	Oring Pressure in	Zone	
Well Interval	Depth (ft BTOC)	Date	Time	at TOC (psi)	MP (psi)	Pressure (psi)	
CS-WB05-LGR-01	99	12.13.00	0852		14.20	22.67	
CS-WB05-LGR-02	182	1	0851		14.22	14.21	
CS-WB05-LGR-03A	216		0850		14.30	14.23	Sampled @
CS-WB05-LGR-03B	262		0343	12	20.50	16.21	10708
CS-WB05-LGR-04A	277		0347	14.12	24.20	21.63	
CS-WB05-LGR-04B	329		0345	(-) <sup>-</sup>	49.85 .83	44.27	
CS-WB05-BS-01	362	7	0843		64.00	58.83	
CS-WB05-CC-01	432	1	0839		94.00	45.18	
CS-WB05-CC-02	460	V	0838		106.85	74.92	A *
CS-WB06-UGR-01	20	12:18:03	-		14.20		
CS-WB06-LGR-01	93				14.20		
CS-WB06-LGR-02	174				14.30		35-pleal
CS-WB06-LGR-03A	207				14.35	~~.	35 phol
CS-WB06-LGR-03B	260				22.81		2
CS-WB06-LGR-04	320	V			48.80		
CS-WB07-UGR-01	14	12.18.08			14.20		
CS-WB07-LGR-01	90				14.25		
CS-WB07-LGR-02	175				14.20		
CS-WB07-LGR-03A	208				14.30		San Mar Di
CS-WB07-LGR-03B	257		,		16.70		sample 0
CS-WB07-LGR-04	318	V			43.22		
CS-WB08-UGR-01	38	12.18.08			14.20		
CS-WB08-LGR-01	115	1			14.25		
CS-WB08-LGR-02	193				14.25		
CS-WB08-LGR-03A	228	5			14.30		
CS-WB08-LGR-03B	273				20.55		1400 a
CS-WB08-LGR-04	341	V			50.00		

	Elliott +	/		Trench S	Sumps Wat	er Levels ('I	BTOC)		
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently	Notes
ate: 12/23/0	8	Time: 1500	)					Being Used (√)	
B3-T1-1	12.9	8.67	6.80	21.85	0.847	-295.9	1.02		
B3-T1-2	12.4	8.39	6,83	21,83	0.898	-223.5	0.95	1/	
B3-T1-3	12.85	8.28	6.84	21.83	0.747	-223.5	0.95		
B3-T2-1	9.67	8.80	7.04	23,13	0,799	-126.1	1.42		
B3-T2-2	10.01	dy			,				
B3-T3-1	9.96	9,21							
B3-T3-2	7.4	dy							
B3-T4-1	6.32	dre							
B3-T5-1	9.33	dy							
B3-T5-2	7.98	dry							
B3-T6-1	11.45	11.03	***************************************						
B3-T6-2	12.34	11.88							
B3-UIC									
				B-3 7		tem Monitor	ring		
					Flow Meters				· · · · · · · · · · · · · · · · · · ·
Meter  Date/Time:	12/22/68		12/23/08	osday 0825	12/24/08	0805	12/25/08	ırsday	Friday
Date/Tille.	10/20/03	(145)	14/45/08	Rat	te (apm) / Cumu	lative Total (gal	12/05/08		17/36/08
T-1	33.7	9,902 156	32.5			9,840,777			
T-2	18.8	89518+	17.6	99,009+	5,48/17.4	109.350			
T-3		,		,		,	111	1	111 0001
T-4							10 lida	1	Holiday
T-5								(	1
T-6							-		
B-3 (Total)	9.2	2650=4	7/11	222 -22	1 7/2	m/2 25/	-		
S-MW16-LGR S-MW16-CC		837,895	7.87	277,073	7.76	287,338	-		
3-1VIVV 16-CC	Bag Fi	Iter Pressure	Reading (Pr	essure Drop (P	B-1) - (PB-2)= *I		r pressure drop	is > or = 20 psi d	hange fliter.
	PB-1 - PB-2 = 4					7-40=7	PB-1 - PB-2 =		PB-1 - PB-2 =
otes:	14-L6R=26		Hamilto-LE	R=235,U-on	CARA				
otoo. Intui		1100 041	1.10		TUPTURA	00-001			
	14-66 = 36	10	martle - Ct	=369.1=on		4 All filler 75 mic			

\* flow metal went out week 87

screen is blank
+ cun't read the total gallens

Personnel 5/1;	off of Tenn	yson				
		ly Wat		el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	12/23/08	1350	13.98	14.20 14.04	22.68
CS-WB05-LGR-02	182		1349		14.25	14.14
CS-WB05-LGR-03A	. 216		1348		14.11	14.24
CS-WB05-LGR-03B	262		1347		20.50	14.19
CS-WB05-LGR-04A	277		1346		27.00 25.90	21.86
CS-WB05-LGR-04B	329		1344		49.85	44.36
CS-WB05-BS-01	362		1343		64.00	59.04
CS-WB05-CC-01	432		1342		94.00	61.53
CS-WB05-CC-02	460		1334		106.85	73.90
CS-WB06-UGR-01	20		1419	14.00	14.20	16.06
CS-WB06-LGR-01	93		1416		14.05	14.34
CS-WB06-LGR-02	174		1417		14.30	17.65
CS-WB06-LGR-03A	207		1414		14.35	19.56
CS-WB06-LGR-03B	260		1415		22.81	42.47
CS-WB06-LGR-04	320		1414		48.80	43.87
CS-WB07-UGR-01	14		1438	13.99	14.20	14.41
CS-WB07-LGR-01	90		1437		14.25	17.85
CS-WB07-LGR-02	175		1436		14.20	24.41
CS-WB07-LGR-03A	208		1435		14.30	15.95
CS-WB07-LGR-03B	257		1433		16.70	37,15
CS-WB07-LGR-04	318		1432		42.90	42.83
CS-WB08-UGR-01	38		1405	13.98	14.02	14.02
CS-WB08-LGR-01	115		1404	3	14.25	23.09
CS-WB08-LGR-02	193		1402		14.25	14.77
CS-WB08-LGR-03A	228		1401		14.30	14.19
CS-WB08-LGR-03B	273		1400		20.06	15.49
CS-WB08-LGR-04	341	V	1359		50.0849.44	45.34

Personnel:	Bouch	· S.Ell	iott	Terrel	C	toul accels (	DTOC)			
		,		Irench	Sumps wa	ter Levels ('	BIOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)	Notes	
Date: 12.3	0-09	Time: 090	0					being Used (V)		
B3-T1-1	12.9	9.15	4.90	22.16	0.591	-300.8	0.45	/		
B3-T1-2	12.4	0.35	4.89	21.88	0.661	-297.6				
B3-T1-3	12.85	8.68	6.91	21.01	0.469	-250.0	00301480,45			
B3-T2-1	9.67	8.84	7.21	22.62	0.510	-121.4	983 2 TO 2			
B3-T2-2	10.01	DRY					1.91			
B3-T3-1	9.96	9.24								
B3-T3-2	7.4	DRY								
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	DR4								
B3-T5-2	7.98	DRY								
B3-T6-1	11.45	11.62								
B3-T6-2	12.34	11.84								
B3-UIC										
				B-3		stem Monito	ring			
Matan	Meter Monday Tuesday				Flow Meters	s Readings nesday	Thur	adau		Friday
Date/Time:	12.29.00		12.30.08		12.31.08		1.1.09	suay	1.2.09	0815
	10000		1000	Ra	te (gpm) / Cum	ulative Total (ga	1)			
T-1		9923751	12.2	9,942543	12.6	9961735			11.1	9993551
T-2	18.1	151703	5.57	16050	5.41	170,101	5.43	+	5.43	195,232
T-3				(160,250)		1	111	m		-
T-4						-	1/2/1	2/		
T-5							7/0//			
T-6 B-3 (Total)						353,223				
CS-MW16-LGR	7.59	333,209	7.59	343.117	7.92	-303117	143		7.54	37-0,900
CS-MW16-CC	* Well	on	* well		* Well	00			* vell	on
	Bag Fi	Iter Pressure	Reading (Pre	essure Drop (F	B-1) - (PB-2)=	*Note: If bag filte	er pressure drop i		hange fliter.	
	PB-1 - PB-2 = 4	4-43=1	PB-1 - PB-2 = 4	4-42=7	PB-1 - PB-2 =		PB-1 - PB-2 = 0	0=0	PB-1 - PB-2 = 4	6-44-0
Votes: 314 fr			- Tank	is 3/4 full lid not k			- ATT	is 75 full	Came b	ck out to B
				MULTINI CI					- 1 1	
wheat TP				some he	ip · Weel	k88	because to filled up.	ink never	TP did	not turn on a bit of h

Personnel 5.Ellio	H + J. Bo	uch				
	Week	ly Wat	er Lev	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	12/29/08	1411	14.18	14.20	22.63
CS-WB05-LGR-02	182		1410	11110	14.25	14.29
CS-WB05-LGR-03A	216		1409		14.30	14.25
CS-WB05-LGR-03B	262		1408		19, 43	16.24
CS-WB05-LGR-04A	277		1406		25.94	22.11
CS-WB05-LGR-04B	329		1405		49.85	44.54
CS-WB05-BS-01	362		1403		64.00	<del>80</del> . 59.51
CS-WB05-CC-01	432		1350		94.00	62,11
CS-WB05-CC-02	460		1349		106.85	74.49
CS-WB06-UGR-01	20		1541	14.21	14.20	14.26
CS-WB06-LGR-01	93		1540		14.20	16.45
CS-WB06-LGR-02	174		1539		14.30	17.65
CS-WB06-LGR-03A	207		1538		14.35	19.51
CS-WB06-LGR-03B	260		1537		22.81	42.40
CS-WB06-LGR-04	320		1536		48.80	44.01
CS-WB07-UGR-01	14		1520	14.21	14.20	14.77
CS-WB07-LGR-01	90		1519		14.25	17.82
CS-WB07-LGR-02	175		1518		14.20	24.37
CS-WB07-LGR-03A	208		1517		14.30	15.95
CS-WB07-LGR-03B	257	1	1516		16.70	37.14
CS-WB07-LGR-04	318	17	1515		43.22	42.99
CS-WB08-UGR-01	38		1431	14.19	14.20	14.22
CS-WB08-LGR-01	115	2.	1430		14,26	23.10
CS-WB08-LGR-02	193		1429		14.25 14.27 14.30	14.74
CS-WB08-LGR-03A	228		1428		17:50	14.27
CS-WB08-LGR-03B	273		1427		20.55	15.65
CS-WB08-LGR-04	341	V	1425		50.0049, 79	45.49

I dropping? Suspect thre could be somethe urms with this port, may be not?

Personnel:	Bouch									
	1,000			Trench	Sumps Wat	er Levels ('E	BTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)	1	Notes
Date:		Time:						being used (v)		
B3-T1-1	12.9	8.85	6.60	21.92	0.862	-261.5	0.33		Do s	eems
B3-T1-2	12.4	8.57	4.67	21.62	0.910	-296.9	5.73	\ /	hich .	- Culibrates
B3-T1-3	12.85	1 445	6.107		0.710	-26611	0.65	V /	YSI prior	to use
B3-T2-1	9.67	8.58	4.31	22.41	0.759	-109:6	1.420		,	
B3-T2-2	10.01	LAD								
B3-T3-1	9.96	9.23								
B3-T3-2	7.4	DRY								
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	DRH								
B3-T6-1	11.45	11.04								
B3-T6-2	12.34	11.5%								
B3-UIC										
						stem Monitori	ing			
Meter	Mon	day	Tuo	sday sday	Flow Meters	Readings nesday	Thurs			riday
Date/Time:	1.5.09	0830	1.6.09	1005	1.7.09	lesuay	1.8.09	1500	1-9-09	0845
			VDR 34.2	/ Oph Rat	te'(gpm) / Cumi	ulative Total (gal)				
T-1	717.8	311441	33.3	14441	33.4	82563	32 1	106955	33,1	118930
T-2	33.3	44,441	17.0	331,043	17.6	339,999	18.6	343375	19.2	341820
T-3								,		
T-4	-									
T-5 T-6						-				-
B-3 (Total)									(	
CS-MW16-LGR	7.48	398925	7.59	1409662	7,59	419,001	7.42	431.316	7.64	438,342
CS-MW16-CC	1	n	* well n		* Well	017:	* WELLOY	171,714	* Well e	770,176
No. 1 Company	Bag Fi	Iter Pressure	Reading (Pre	essure Drop (P	B-1) - (PB-2)= *	Note: If bag filter	pressure drop is	s > or = 20 psi c	hange fliter.	
	PB-1 - PB-2 = 1	·-49=4	PB-1 - PB-2 = L	6-42=4			PB-1-PB-2 = U	1-40=0	PB-1 - PB-2 =	6-40 =6
Notes: + Well	on-flow			- ( )	tank	in3/4 full	Tank	is /4 full	Tank	is 3/4 full
lank	is 415	INII .	Tankis 4	1 . (1	TP (	kickedon	TPV	ickelon	TP	Kicked on
TP Kicky	CON ~ Some GR = 284.2	s help	MW-14-L	edon Mil GR = 284.1 CC = 368.6	Week	89			Mw	- 16-

Personnel S.Ell.	H + J. Bou	ch				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	1/8/09	1414	14.05	14.20 14,10	22.50
CS-WB05-LGR-02	182		1408		14.25 14.13	14.15
CS-WB05-LGR-03A	216		1407		14.17	14.17
CS-WB05-LGR-03B	262		1406		20.50	16.22
CS-WB05-LGR-04A	277		1405		25.74	22.01
CS-WB05-LGR-04B	329		1404		49.85	44.62
CS-WB05-BS-01	362		1403		64.00	59.12
CS-WB05-CC-01	432		1402		94.00	63.03
CS-WB05-CC-02	460		1400		106.85	75.47
CS-WB06-UGR-01	20		1449	14.04	14.20	16.13
CS-WB06-LGR-01	93		1448		14.30	14,29
CS-WB06-LGR-02	174		1447		14.12	17.64
CS-WB06-LGR-03A	207		1446		14.14	19.39
CS-WB06-LGR-03B	260		1445		<sup>22.81</sup> . 41 48.80	42.28
CS-WB06-LGR-04	320		1443		48.46	43,97
CS-WB07-UGR-01	14		1508	14.04	14.20 14.06	14.67
CS-WB07-LGR-01	90		1507		14.25	17.77
CS-WB07-LGR-02	175		1506		14.20/4.13	24.23
CS-WB07-LGR-03A	208		1505		14.15	15.94
CS-WB07-LGR-03B	257		1504		43.2247 92	37.12
CS-WB07-LGR-04	318		1503		14.16	42.99
CS-WB08-UGR-01	38		1431	14.04	14.20 7	14.05
CS-WB08-LGR-01	115		1430		14.25	22.56
CS-WB08-LGR-02	193		1429		14.13	14.73
CS-WB08-LGR-03A	228		1427		14.15	14.18
CS-WB08-LGR-03B	273		1426		20.55	15.62
CS-WB08-LGR-04	341	V	1425		49.61	45.46

Sump ID  B3-T1-1  B3-T1-2  B3-T1-3  B3-T2-1  B3-T2-2  B3-T3-1	12.9 12.4 12.85 9.67	Sump Water Level (ft BTOC) Time: 1500	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently		Notes
B3-T1-1 B3-T1-2 B3-T1-3 B3-T2-1 B3-T2-2	12.9 12.4 12.85 9.67	8.75	4.5%	21.67	n (1-7)(1					
B3-T1-2 B3-T1-3 B3-T2-1 B3-T2-2	12.4 12.85 9.67	8.49	4.50	21.67	n (170)	THE RESERVE OF THE PARTY OF THE		Being Used (√)		
B3-T1-3 B3-T2-1 B3-T2-2	12.85 9.67	8.49	4.67	-9	0.83%	-244.6	0.98		DO met	rvis
B3-T2-1 B3-T2-2	9.67	爾. 8.45		21.34	0.901	- 251.4		1	actina up	- bouncing
B3-T2-2			6-69	21.34	0.901	-251.4	0, 40		around.	301
		8.73	4.94	21.83	0.743	-82.9	2.10	/		
B3-T3-1	10.01	DRY						1		
	9.96	9.27								
B3-T3-2	7.4	ORY								
B3-T4-1	6.32	DRH								
B3-T5-1	9.33	DR								
B3-T5-2	7.98	phyl								
B3-T6-1	11.45	11.02								
B3-T6-2 B3-UIC	12.34	11.84								
B3-01C										
				B-3 I		tem Monitori	ng			
Meter	Mond	Monday Tuesday		sday	Flow Meters	Readings esday	T'			
Date/Time: 1	12.09	0845	1.13.09	0845	1.14.09	0900	Thur.	0900	1.16.09	7930
	12 /2			Rat		lative Total (gal)		0100		
T-1 /	1.7/31.2	168,131	30.0	196639	30.5	13604.0	30.6	32239.0	33.0	57.609.
T-3	.33/17.8	371,497	17.8	390934	17.3	1981.0	16.2	16905.D	16.1	26878.4
T-4								1		901
T-5										-
T-6										
-3 (Total)								-		
MW16-LGR	*	*	7.49	40001.0	* Well	oh	X well		+ WL	Non
-MW16-CC	*	N/	* Well	* on	× 412 1 5	14	¥ 1.70 11	on	7111	010
000	Bag Filte	er Pressure I	Reading (Pre	ssure Drop (PE	3-1) - (PB-2)= *N	ote: If bag filter	préssure drop i	s > or = 20 psi c	hange fliter.	UV
	1-76-2=46.	-40=6	PB-1 - PB-2 = 4	10=40=10 F	PB-1-PB-2= 42.	38 = 4	PB-1-PB-2 = 44	-38-10		436=8
	- LGR = 183	.3	AW16- LGR	= 284.8	MW16-LER=	284.5	MWILL-LGR	: -		LGR = 285.5
	- CC = 36=	7.4 n	nw16-cc =	372.1	mulle-cc =	371.3	MN 14 - CC			-(L = 374.Z
tan	K= 3/4 fo	11	tank =	45 full	lank is	34 /		3/4 full	The	11 1000
		~	replaced me	ers on trende	5		i MNK	1-1 INII	7 1/4	Lickat on

Personnel 5, E)	off & J.B	ouch				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	1/15/09	1326	14.15	14.294.21	22.60
CS-WB05-LGR-02	182		1324		14.25	14.24
CS-WB05-LGR-03A	216		1322		14.30	14.19
CS-WB05-LGR-03B	262		1321		19.35	16.31
CS-WB05-LGR-04A	277		1320		25.90	21.85
CS-WB05-LGR-04B	329		1319		49.85	44.48
CS-WB05-BS-01	362		1318		94.00	59.13
CS-WB05-CC-01	432		1317		93,35	60.29
CS-WB05-CC-02	460		1316		106.85	72.46
CS-WB06-UGR-01	20		1402	14.13	14.24	14.29
CS-WB06-LGR-01	93		1401		1426	16.44
CS-WB06-LGR-02	174		1400		14.30 14.35	17.63
CS-WB06-LGR-03A	207		1358		14.35 14.32 22.81	19.32
CS-WB06-LGR-03B	260		1357		22.64	42.25
CS-WB06-LGR-04	320		1354		48,74	43.95
CS-WB07-UGR-01	14		1421	14.18	14.20 4,23	14.85
CS-WB07-LGR-01	90		1420	1-1.10	14.23	17.84
CS-WB07-LGR-02	175		1419		14.30	24.24
CS-WB07-LGR-03A	208		1418		14.3)	15.88
CS-WB07-LGR-03B	257		1417		16.58	37,15
CS-WB07-LGR-04	318		1415		43.17	42.93
CS-WB08-UGR-01	38		1345	14,13	14.25	14,20
CS-WB08-LGR-01	115		1344		14.21	22.72
CS-WB08-LGR-02	193		1343		14.30	16.64
CS-WB08-LGR-03A	228		1342		14,28	14.23
CS-WB08-LGR-03B	273		1340		20.55 20.19	15.47
CS-WB08-LGR-04	341	No.	1339		50.00	45.42

		Personnel JB	ionch; t.	halbar	WY				
			Week	ly Wat	er Leve	el Monito	oring		
		Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)	
		CS-WB05-LGR-01	99	1/23/09	0911		14.20	22.55	
(		CS-WB05-LGR-02	182		0909	14.01	14.25	14.14	
1/23/09/09/	200	CS-WB05-LGR-03A	216		0908	] (1.5)	14.30,15	14,19	
	.98	CS-WB05-LGR-03B	262		0906	(W	20.50 11 , 32	16.29 0	0
Zon	res	CS-WB05-LGR-04A	277		0905		25.61	21.68	
		CS-WB05-LGR-04B	329		0904		49.85	44.32	
		CS-WB05-BS-01	362		0903		64.00	58.92	
		CS-WB05-CC-01	432		0901		94.00	58,50	
		CS-WB05-CC-02	460		0900	4	106.85	70.89	
		CS-WB06-UGR-01	20		8358		14.20	14.96	
		CS-WB06-LGR-01	93		0957	14.04	14.20	14.28	
		CS-WB06-LGR-02	174		0955		14.39	17.65	
		CS-WB06-LGR-03A	207		0954		14.35	19.25	
		CS-WB06-LGR-03B	260		0952		22.81	42.19	
		CS-WB06-LGR-04	320		0950		48.80	43.90	
		CS-WB07-UGR-01	14		1017	14.04	14.20	14.72	
		CS-WB07-LGR-01	90		1016	,	14.13	17.86	
		CS-WB07-LGR-02	175		1015		14.20	24.20	
		CS-WB07-LGR-03A	208		1013		14.30	15.91	
		CS-WB07-LGR-03B	257		1012		16.70	37.18	
		CS-WB07-LGR-04	318		1019		43.22 47.98	42.82	
		CS-WB08-UGR-01	38		6935	13,96	14.29	14,08	
		CS-WB08-LGR-01	115		0932	17110	14.25	15.08	
1-2/20		CS-WB08-LGR-02	193		0931		14.25	16.69	
1/23/09 Weakly@0	927	CS-WB08-LGR-03A	228		0929		14,30	14.14	
19.85 15.	.59	CS-WB08-LGR-03B	273		0927		20.55	15.55	89
3	press	CS-WB08-LGR-04	341		0924		49,48	45.36	

		Cuma Mata		rench	Sumps wa	ter Levels ('I	BIOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	pH	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently		Notes
Date: \2\	109	Time: 09	30					Being Used (√)		
B3-T1-1	12.9	8.89	6.72	21.83	0,435	-218.9	6.42		Jample @ O	130
B3-T1-2	12.4	8.62	6.77	21.67	0.671	-248.4	0.54	V	Sanale (a)	1015
B3-T1-3	12.85	8.59	6.79	20,99	0.554	-222.5	0.45	1	Sample	1240
B3-T2-1	9.67	8.54	7.08	21,52	0.571	-78.5	2.19	./	Sample Q	1320
B3-T2-2	10.01	_						V		
B3-T3-1	9.96	9.28	6.73	27,20	0.684	-99.3	1.14		Sant To.	320 (AL) not
B3-T3-2	7.4	-	. 1-						The state of the s	
B3-T4-1	6.32	7000								
B3-T5-1	9.33	-								
B3-T5-2	7.98	_								
B3-T6-1	11.45	10.98								
B3-T6-2	12.34	11.80								
B3-UIC			7.58	23.20	0,457	-22.8	5.74		Danke @ 13	40
				B-3	Transfer Sy	stem Monitor	ing		,	•
<b>地图形式包含在2</b> 00	<b>在《</b> 图》				Flow Meter					
Meter  Date/Time:	Mon	day		sday		nesday		rsday		Friday
Date/Time.	1.19.09		1.2009	Ra	1 100 4	ulative Total (gal	12209	0700	123-07	
T-1			31.7	121,931.0	31,7	143 488.0	32.8	163,785	33.8	184.908
T-2			15.1	60901.0	17.0	109,323	15,6	78,844	Ne.9	88, Wele
T-3	1-10	1			130					0,000
T-4	-tolia	N								
T-5										
T-6										
			0 0	2.1.27	~ 110		- 110			
B-3 (Total)		1	8.09	34376	7,42	88,714	7-48	54,962	7.53	65,777
CS-MW16-LGR				1 - 1 -		88, 119		109,723	14.85	130.999
S-MW16-LGR	Bag Fi	tor Proceure	15.72	69019		Note: If had filter	r proceure drop	is > or = 10 psi o	hange fliter	
CS-MW16-LGR CS-MW16-CC	<b>Bag Fi</b> <i>PB-1 - PB-2</i> =	Iter Pressure	15.7-2 Reading (Pro	essure Drop (P	B-1) - (PB-2)=	Note: If bag filter	PB-1 - PB-2 =	is > or = 20 psi c	hange fliter.	
CS-MW16-LGR CS-MW16-CC		lter Pressure	15.7-2 Reading (Pro	42 - 32 = 10	PB-1 - (PB-2)= 1	1-36=8	PB-1 - PB-2 = 4	is > or = <b>20</b> psi c	hange fliter. PB-1 4 PB-2 - 4 C	
CS-MW16-LGR CS-MW16-CC		Iter Pressure	15.7-2 Reading (Pro	essure Drop (P	B-1) - (PB-2)=	1-36=8	PB-1-PB-2 = 4	is > or = 20 psi c 4-34 = 10	hange fliter.	
CS-MW16-LGR CS-MW16-CC		Iter Pressure	15.7-2 Reading (Pro	42 - 32 = 10	PB-1 - (PB-2)= 1	1-36=8	PB-1 - PB-2 = 4	is > or = 20 psi c 4-34 = 10 Full = 285,5	hange fliter.	

Week 0

Weekly Water Level Monitoring											
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)					
CS-WB05-LGR-01	99	1:30.09	0855		14.20	22.41					
CS-WB05-LGR-02	182		0854		14.25	14.28					
CS-WB05-LGR-03A	216		0853		14.30	14.22					
CS-WB05-LGR-03B	262		0852	100	20.50	16.11					
CS-WB05-LGR-04A	277		685	14.25	25.66	21.90					
CS-WB05-LGR-04B	329		0850		49,85	44.51					
CS-WB05-BS-01	362		0849		94.00	59.08					
CS-WB05-CC-01	432		5848		93.02	59.42					
CS-WB05-CC-02	460	V	0847		105.22	41.83					
CS-WB06-UGR-01	20	130.09	0934	14.26	14.29	16.42					
CS-WB06-LGR-01	93		0933		14.39	14.47					
CS-WB06-LGR-02	174		0932	14.5	14.30 14.35 14.35	17.61					
CS-WB06-LGR-03A	207	1.	0931		14,37	19.24					
CS-WB06-LGR-03B	260	1	0929		27.55	42.14					
CS-WB06-LGR-04	320	V	0928		48.59	44.02					
CS-WB07-UGR-01	14	1.30.09	0951	14.27	14.20	14,92					
CS-WB07-LGR-01	90		0949	4	14.25	17.78					
CS-WB07-LGR-02	175		0948		14.20 14.37	24,15					
CS-WB07-LGR-03A	208		0947		14,39	15.99					
CS-WB07-LGR-03B	257	1	0744		16,52	37.14					
CS-WB07-LGR-04	318	V	0944		43.22 <b>43.0</b> 4	42.96					
CS-WB08-UGR-01	38	1.3009	0915	,	14.26	14.28					
CS-WB08-LGR-01	115		0914		14.33	22.7-3					
CS-WB08-LGR-02	193		0913	1473	14.30	16.35					
CS-WB08-LGR-03A	228		0912	11.2)	14.40	14.24					
CS-WB08-LGR-03B	273	1	0910		50.00	15.55					
CS-WB08-LGR-04	341	Ψ	0909		50165	THE STATE OF THE S					

Personnel: J, F		lide	1	Trench	Sumps Wat	er Levels ('I	BTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		otes
Date: 1.30	09		00					Deing Osed (V)	AH . Temo . "	spland OKP.
B3-T1-1	12.9	8.80	6.51	21.54	0.922	-215.9	0.54		6.51 21.59	2.907 -214.
B3-T1-2	12.4	8.52	6.55	21.20	0.960	-240.5	0.59			
B3-T1-3	12.85	8.406		21.22	80,99,00	ot - 223.2	0.47			
B3-T2-1	9.67	8.66	4.890	21.22	0.796	-57.0	2.01			
B3-T2-2	10.01	DRY						V		
B3-T3-1	9.96	9.28								
B3-T3-2	7.4	DRY								
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	DRY								
B3-T6-1	11.45	10.93								
B3-T6-2	12.34	11.84								
B3-UIC				D 2	Transfer Cur	tana Manitan			1	
				B-3		tem Monitor	ing			
Meter	Mon	day	Tues	Flow Meters Readings sday Wednesday		Thursday		Friday		
Date/Time:	1.26.09	0700	1/22/09	0715	1/28/09	0715	1/29/09	0700	1/30/09	0700
			30.0			lative Total (gal	)	000 252		
T-1	33.2	241284	33.8	260,400	119 /32/	279,345	34,6	298,952	12,21 32.4	31861
T-2 T-3	17.1	116490	17.7	125,579	5.56 15.2	134,698	17.9	144,175	5.93/109	153749
T-4					1			-		
T-5		:								,
T-6										
B-3 (Total)										
CS-MW16-LGR		95,838.0	0.0/7.44	105,086	7.81%	115,062	7.53	125,799	7,98	135944
CS-MW16-CC	14.80	190,295	0.0/15.7	208,652	14.96 1	728,240	14.69	249,286	15.02	249095
	Bag Fi	Iter Pressure			PB-1) - (PB-2)= *	Note: If bag filte	PB-1 - PB-2 =		change fliter.	(1 1)
latas:	PB-1 - PB-2 = 4	-40=2	PB-1 - PB-2 = 4	0-38=2	PB-1 - PB-2 = 41		. 10	-38 = 3		40-36=4
otes: Tank is full Tank		14 full Tank 5/8 full			Tz-10 3,	Mr. Call	Tonks	111111		

Personnel S.Ella	tt /A. Lind	ley / J. Ba	ich / E. 6	Salbary		
		Quarterly Mo	nitoring	,		
MPMWs	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Inside Pressure	Zone Pressure	
CS-WB05-LGR-01	99	1/26/09	1430	13.98	22.50	
CS-WB05-LGR-02	182	1/28/09	1906	14.04	14.07	-dag
CS-WB05-LGR03A	216	1/26/09	1345	14.05	14.10	-dry
CS-WB05-LGR03B	262	1/20/09	# 150148	14.05 AL	14-10-AC	-Ang
CS-WB05-LGR04A	277	1/24/09	1050	27.52	21.89	
CS-WB05-LGR04B	329	1/26/09	0938	50.30	44.47	
CS-WB05-BS-01	362	1/22/09	1320	64,00	58.99	
CS-WB05-CC-01	432	1/22/09	1010	95.17	58.83	
CS-WB05-CC-02	460	1/22/09	0930	107.46	- 1 A -	
CS-WB06-UGR-01	20	1/29/09	1445	14.10	14.25,	
CS-WB06-LGR-01	93	1/29/09	1350	14.13	16.34	
CS-WB06-LGR-02	174	1/29/09	1300	14.20	17.70	
CS-WB06-LGR03A	207	1/29/09	1020	14.24	19,29	
CS-WB06-LGR03B	260	1/24/09	1030			
CS-WB06-LGR-04	320	1/29/09	0945	50.45	43.93	
CS-WB07-UGR-01	14	1/27/09	1520	13.93	14.54	Dry
CS-WB07-LGR-01	90	1/27/09	1410	14.00	17.86	
CS-WB07-LGR-02	175	1/27/09	1315	14.05	24.00	
CS-WB07-LGR03A	208	1/27/09	1130	14.07	15.80	
CS-WB07-LGR03B	257	1/21/09	1400	(a)		
CS-WB07-LGR-04	318	1/27/09	0930	44,983	52-3406	42.93
CS-WB08-UGR-01	38	1/28/09	1425	14,08	14,07	dry
CS-WB08-LGR-01	115	1128/09	1400	14.12	#FZ®	22.44
CS-WB08-LGR-02	193	1/20/09	1245	14.20	14.71	
CS-WB08-LGR03A	228	1/28/09	1130	14.16	14.12	dry
CS-WB08-LGR03B	273	1/20/09	1345			
CS-WB08-LGR-04	341	1/28/09	0930	51.42	45.51	
Monitroing Wells		mple pH	Temp SpCo	nd ORP	DO	
B3-MW01	1/20/09 094	- 0.00	19.83 2,03	Yo .	0.91	
CS-D		sample	1 1	evel to	5/00	
CS-MW16-LGR		0 717	22.59 0.5		1.66	
CS-MW16-CC	103	10 7,52	22,59 0.62		3.17	
CS-MW1-LGR	141		2123 0,50		4.15	

Personnel 5. Elliott + J. Bouch									
		ly Wat	er Leve	el Monito	oring				
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)			
CS-WB05-LGR-01	99	2/2/09	1526	14.16	14.20	22.47			
CS-WB05-LGR-02	182		1525	, ,,,	14.25	14.22			
CS-WB05-LGR-03A	216		1524		14.30	14.26			
CS-WB05-LGR-03B	262		1523		20.50	14.12			
CS-WB05-LGR-04A	277		1522		27.00 25.52	21.93			
CS-WB05-LGR-04B	329		1521		49.85	44.47			
CS-WB05-BS-01	362		1520		64.06	59.05			
CS-WB05-CC-01	432		1519		94.00	58.8/			
CS-WB05-CC-02	460		1518		106.85	71.20			
. CS-WB06-UGR-01	20		1609	10.11.	14.20	16.27			
CS-WB06-LGR-01	93		1608	14.16	14.22	14.41			
CS-WB06-LGR-02	174		1407		14.30	17.70			
CS-WB06-LGR-03A	207		1606		14.35	19,21			
CS-WB06-LGR-03B	260		1605		22.81	42.11			
CS-WB06-LGR-04	320		1604		48.8048.46	44.06			
CS-WB07-UGR-01	14		1431	14.15	14.20	14.80			
CS-WB07-LGR-01	90		1430	,	14.25	17.84			
CS-WB07-LGR-02	175		1629		14.20	24.12			
CS-WB07-LGR-03A	208		1628		14.30	15.93			
CS-WB07-LGR-03B	257		1626		16.70	37,14			
CS-WB07-LGR-04	318		1424		43.22	42,97			
CS-WB08-UGR-01	38		1552	14.17	14.20	14.17			
CS-WB08-LGR-01	115		1549		14.25	22.41			
CS-WB08-LGR-02	193		1548		14.25	16.51			
CS-WB08-LGR-03A	228		1546		14.30	14.22			
CS-WB08-LGR-03B	273		1544		19.83	15.59			
CS-WB08-LGR-04	341	1	1543		50.0049,41	45.53			

Personnel:	Bouch	) 5.011	iott	Trench	Sumps Wa	ter Levels ('	BTOC)	· · · · · · · · · · · · · · · · · · ·		
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)	1	Notes
ate: 2.2.0	29	Time:	1415					Being Osed (V)		
B3-T1-1	12.9	9.05	690	21.78	0.696	-235.8	0.45	/		
B3-T1-2	12.4	9.05 8.78 8.71	6.92	21.59	0.727	-265.6	0.44			
B3-T1-3	12.85	8.71	7.00	20.94	0.593	-255.4	0.38			
B3-T2-1	9.67	8.73	7.10	21.73	0.618	- 85.7	1.27	. /		
B3-T2-2	10.01	DRY	1,-							
B3-T3-1	9.96	9.28								
B3-T3-2	7.4	DRY								
B3-T4-1	6.32	DRF								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	DRY								
B3-T6-1	11.45	1000								
B3-T6-2	12.34	11.85								
B3-UIC										
				B-3	Γransfer Sy	stem Monitor	ring			
						s Readings			医多数 人名英格兰	
Meter Date/Time:	2.2.09	nday	2.3.09	esday () (In()	2.4.09	nesday 0 822	2.5.09	ursday (0b)	2.6.09	riday (G)
Date/Time.	16.6.01	0942	6.7.0	Ra	te (gpm) / Cum	ulative Total (gal	1)	0000	7.30.0	0170
T-1	12.5/32.2	373071	32.3	391988	34.3	409915	34.1	428910	33.4	449,011
T-2	5.87/14.8	180871	32.3	199187	14.2	199378	16.8	208946	15	218,944
T-3	1			,		1		1.		,
T-4										
T-5										
T-6		:								
B-3 (Total)		1	70.	-22	7 5	10,1001	5 /2	10= 1	711	2 2/ 1/00
		165,464	7.81	175310	7.76	185,351	7.81	195,715	7.81	404297
S-MW16-LGR	1476	32 6256	Reading (Pr	345,255	14. 58 PR-1) - (PR-2)=	364.261	r pressure drop	383736 is > or = # psi cl		
CS-MW16-LGR	Bag Fi	IITOF Proceilira	iteauing (i i		PB-1 - PB-2 =	12-38 = 4			PB-1 - PB-2 = 4	
	Bag Fi		PB-1 - PB-2 = /	10 20-4				16 14 10 1	1	4 14 10
CS-MW16-CC	Bag Fi	2-38=4	PB-1 - PB-2 = L	Lame		15 3/5 full			Tank	
otes:	Bag Fi	2-38=4 5 full	Tanki	Lame	lank		Tan	IC is 3/5 full TP kicked on	Tank	is 3 /4 full o kickedo ly m/my hel

Personnel:	. bouch			Trench	Sumne Wa	ter Levels ('E	RTOCI			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently		Notes
Pate:		Time:						Being Used (√)	H Temo	SA ORP DO
B3-T1-1	12.9	9.10	4.50	22.15	0.873	-247.9	0.49		647 21931	
B3-T1-2	12.4	8.75	1.54	22.05	0.886	-264.6	0.48			
B3-T1-3	12.85	8.65	6.53	21.53	0.749	-242.0	0.41			
B3-T2-1	9.67	8.58	6.69	22.11	0.766	-117,	1.04			
B3-T2-2	10.01	STS DE	4							
B3-T3-1	9.96	9.25								
B3-T3-2	7.4	7.40/DR	<b>V</b>							
B3-T4-1	6.32	DAT								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	DLY								
B3-T6-1	11.45	11.00								
B3-T6-2	12.34	11.35								
B3-UIC										
				B-3		stem Monitor	ing			
Meter					Flow Meters	Readings				
	l Mon	day	Tue	eday			Thu	roday	T	Eriday
Date/Time:	2.9.09	0945		esday	Wed	nesday		rsday		Friday
Date/Time:	12.9.09	0945	2.10.09	Rai	2.11. 09		2.12.07	10912	2.13.09	0916
Date/Time:	31.5	503,017	2.10.09	523,272	Wed 2.11. 09 te (gpm) / Cum 3 Z. Z.	nesday 0842 ulative Total (gal) 54242 7	33.4	564529	2.13.09	581439
Date/Time: T-1 T-2	12.9.09	0945	2.10.09	Rai	Wed 2-11. 09 te (gpm) / Cum	nesday 0 842 ulative Total (gal)	2.12.07	10912	2.13.09	0916
T-1 T-2 T-3	31.5	503,017	2.10.09	523,272	Wed 2.11. 09 te (gpm) / Cum 3 Z. Z.	nesday 0842 ulative Total (gal) 54242 7	33.4	564529	2.13.09	581439
T-1 T-2 T-3 T-4	31.5	503,017	2.10.09	523,272	Wed 2.11. 09 te (gpm) / Cum 3 Z. Z.	nesday 0842 ulative Total (gal) 54242 7	33.4	564529	2.13.09	581439
T-1 T-2 T-3 T-4 T-5	31.5	503,017	2.10.09	523,272	Wed 2.11. 09 te (gpm) / Cum 3 Z. Z.	nesday 0842 ulative Total (gal) 54242 7	33.4	564529	2.13.09	581439
T-1 T-2 T-3 T-4 T-5 T-6	31.5	503,017	2.10.09	523,272	Wed 2.11. 09 te (gpm) / Cum 3 Z. Z.	nesday 0842 ulative Total (gal) 54242 7	33.4	564529	2.13.09	581439
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total)	31.5	503017 245,955	33.1	523272 255,360	Wed 2-11, 09 te (gpm) / Cumi 3 Z , Z	nesday  0 8 9 2  ulative Total (gal)  5 42 42 7  2 4 4 4 3	33.4 14.6	5675 29 27409 0	2·13·09 34.0 17-7	0916 581439 283,029
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total) S-MW16-LGR	31.5	903,017 245,955	33.1	523272 255,360	Wed 2-11. 09 te (gpm) / Cum 3-2. 2 14. 7	nesday  0892  plative Total (gal)  59292 7  244943	33.4 14.6	5675 29 27409 0	2.13.09 34.0 17.7	581439 283,029
T-1 T-2 T-3 T-4 T-5 T-6	31.5 17.7.	903017 245,955 	33.1 14.4 2.19.69 37.44 Reading (Pro	Ra \$23272 255,360 479,89 246,244 essure Drop (P	Wed 2-11. 09 te (gpm) / Cum 3-2. 2 14. 7 14. 58 7. 96 B-1) - (PB-2)=*	y Sylvania (gal)	33.4 14.6 14.6 14.78 4.91	518014 244090 518014 2440339 is > or = 20 psi o	2.13.09 34.0 17.7	581439 283,029 537-791 274,834
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total) S-MW16-LGR	31.5 17.7. 17.7. Bag Fil	9945 903014 245,955 1459,856 236,151 Iter Pressure 4-36=8	33.1 14.4 2.10.09 33.1 14.4 33.1 14.4 Reading (Proposition of Proposition	\$23272 255,360 479,89 246,244 essure Drop (P	Wed 2-11. 09 te (gpm) / Cum 3 Z. Z 14. 7	10842 10842 11ative Total (gal) 54242 7 24444 3	33.4 14.6 14.6 14.6 19.58 14.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19	518014 244090 518014 244038 is > or = 20 psi (4-3) (5-8)	2.13.09 34.0 17.7 17.7 19.19 19.	581439 283,029 537-791 274,834
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total) S-MW16-LGR	31.5 17.7.	9945 903014 245,955 1459,856 236,151 Iter Pressure 4-36=8	33.1 14.69 37.64 Reading (Properties) Ank	Ra \$23272 255,360 479,89 246,244 essure Drop (P	Wed 2-11. U9 te (gpm) / Cum 3 Z. Z 14. 7 14. 58 7. 96 B-1) - (PB-2)=* PB-1 - PB-2 = 4	196 54 196 54	33.4 14.6 14.6 14.6 19.58 14.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19	518014 244090 518014 244038 is > or = 20 psi (4-3) (5-8)	2.13.09 34.0 17.7 17.7 19.19 19.	581439 283,029 534791 274,834
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total) S-MW16-LGR	31.5 17.7. 17.7. Bag Fil	9945 903014 245,955 1459,856 236,151 Iter Pressure 4-36=8	33.1 14.4 2.10.09 33.1 14.4 33.1 14.4 Reading (Proposition of Proposition	Ra \$23272 255,360 479,89 246,244 essure Drop (P	Wed 2-11. U9 te (gpm) / Cum 3 Z. Z 14. 7 14. 58 7. 96 B-1) - (PB-2)=* PB-1 - PB-2 = 4	196 54 196 54	33.4 14.6 14.6 14.6 19.58 14.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19	518014 244090 518014 244038 is > or = 20 psi (4-3) (5-8)	2.13.09 34.0 17.7 17.7 19.19 19.	581439 283,029 534791 274,834
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total) S-MW16-LGR	31.5 17.7. 17.7. Bag Fil	9945 903014 245,955 1459,856 236,151 Iter Pressure 4-36=8	33.1 14.4 33.1 14.4 Reading (Property of the party of	Ra \$23272 255,360 479,89 246,244 essure Drop (P	Wed 2-11. U9 te (gpm) / Cum 3 Z. Z 14. 7 14. 58 7. 70 B-1) - (PB-2)=*	198   54 244   3 198   54 244   43 199   54 254   194 Note: If bag filter	33.4 14.6	518014 244090 518014 244038 is > or = 20 psi (4-3) (5-8)	2.13.09  34.0  17.7  14.63  7.31  change fliter.  PB-1-PB-2=  W-16-CC: 35  W.16-UGF:  MW.16-UGF:	581439 283,029 537-7-91 27-4,834

Personnel 5. Ella	off & J. Bovel	1				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	2/13/09	0933	14.03	14.20	22.44
CS-WB05-LGR-02	182		0932	11.0	14.25 14.15 14.30	14.14
CS-WB05-LGR-03A	216		0931		14.10	14.17
CS-WB05-LGR-03B	262		6930		20.50	14.05
CS-WB05-LGR-04A	277		0929	-	25.38	21.76
CS-WB05-LGR-04B	329		0928		48.01	44.31
CS-WB05-BS-01	362		0927		62 360	58.93
CS-WB05-CC-01	432		0926		94.00 72. 76	59.15
CS-WB05-CC-02	460		0925		106.85	71.54
CS-WB06-UGR-01	20		1009	14.05	14 08	14.15
CS-WB06-LGR-01	93		1008	-	14.20 4.12	15.39
CS-WB06-LGR-02	174		1007		14.15	17.73
CS-WB06-LGR-03A	207		1006		14.18	15.73
CS-WB06-LGR-03B	260		1005		22,31	42.02
CS-WB06-LGR-04	320		1004		48.80 48.36	-
CS-WB07-UGR-01	14		1026	14,05	14.20 14.07	14.76
CS-WB07-LGR-01	90		1025		14.11	17.81
CS-WB07-LGR-02	175		1024		14.15	24.04
CS-WB07-LGR-03A	208		1023		16.70	15.91
CS-WB07-LGR-03B	257		1022		43.22	37.IQ
CS-WB07-LGR-04	318		1621	_	1 ( 1 ( ) )	42.81
CS-WB08-UGR-01	38		0951	14.03	14.20 4.07	14.09
CS-WB08-LGR-01	115		0950		14.11	22.28
CS-WB08-LGR-02	193		0948		14.30	16.66
CS-WB08-LGR-03A	228		0947		14.17	14.21
CS-WB08-LGR-03B	273		0947		19 12	15.40
CS-WB08-LGR-04	341	V	0946		50.00	45.31

	Personnel	Bouch:	E. Ten	nyson				]
	T Greening T	Week	lv Wat	er Leve	el Monito	oring		-
	Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)	
	CS-WB05-LGR-01	99	2.20.09	0943	N /	14.20 4.24	22.42	
	CS-WB05-LGR-02	182	1	0941		14.25	14.28	
2-20.09	CS-WB05-LGR-03A	216		0938		14.30	14.18	2/17/09
18.90 15.77	CS-WB05-LGR-03B	262		0937		20.50	14.15	@ 945
	CS-WB05-LGR-04A	277		0936	14.19	25-42	21.74	
	CS-WB05-LGR-04B	329		0935		49.85	44.33	
	CS-WB05-BS-01	362		0933		64.00	58.91	
	CS-WB05-CC-01	432		0931		94.00	59.78	
	CS-WB05-CC-02	460	V	0930	104.96	106.85	72.19	
	CS-WB06-UGR-01	20	2.20.09	1024		14.20	16.31	
	CS-WB06-LGR-01	93		1023		14,24	14.42	
	CS-WB06-LGR-02	174		1022	14.17	14.28	17.74	
2.20.09	CS-WB06-LGR-03A	207		1021		14.30	19.08	2/18 @
22.41/41.97	CS-WB06-LGR-03B	260		1020		24 20	41.98	1039
,	CS-WB06-LGR-04	320	V	1017		14.20	43.76	
	CS-WB07-UGR-01	14	2.20.09	1047		1471	14.87	
	CS-WB07-LGR-01	90		1045		14.25	17.81	
	CS-WB07-LGR-02	175		1043	14.1%	14.27	24.05	
11 25 217 12	CS-WB07-LGR-03A	208		1042	19.10	14.31	15.94	2.18.09
16.35/34.13	CS-WB07-LGR-03B	257		1041		16.70	37.09	0 1300
	CS-WB07-LGR-04	318	9	1037		43.22	42.77	
	CS-WB08-UGR-01	38	2.20.09	10016		14.25	14.19	
	CS-WB08-LGR-01	115		1005		14.25	22.41	
v	CS-WB08-LGR-02	193		1003	14.19	14.30	申しいナ	
2.20.09	_CS-WB08-LGR-03A	228		1002		14.32	14.25	2.18.0
19.82 15.34	CS-WB08-LGR-03B	273		1000		21.63	15.32	00950
	CS-WB08-LGR-04	341	4	0958		50.00	45.23	

Personnel:	Elliott ;	1. DONCH	t. Talk	Trench	Sumps Wat	er Levels ('E	BTOC)	1.5°3 ×		
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently	N	Votes
Date: 2-19-0	9	Time: 100	5		1.00			Being Used (√)		
B3-T1-1	12.9	9.38	6.30	22,45	0.640	-279.7	0.49		1140	
B3-T1-2	12.4	8.81	6.36	22.17	0.618	-242.8	0.40		1230	
B3-T1-3	12.85	8.64	6.40	22.13	0.541	-269.2	0.32		1310	
B3-T2-1	9.67	8.90	6.63	22.35	0.550	-109.7	1.50		1015	
B3-T2-2	10.01	-								
B3-T3-1	9.96	9.24	6.29	27.22	0.641	-172.9	0.80			
B3-T3-2	7.4	-			0.11					
B3-T4-1	6.32									
B3-T5-1	9.33	-	-3-							
B3-T5-2	7.98	-								
B3-T6-1	11.45	11.02					-			de
B3-T6-2	12.34	11.84								
B3-UIC			6.23	23.52	0.438	- 23.7	6.09		(30) 1400	
				B-3 7		tem Monitori	ing			
	ALL PARTY AND				Flow Meters					
Meter Date/Time:	02416/09			0855	2.13.09	nesday	2 19 09	rsday		riday
Date/Time.	03710/09	0453	2-177-09			lative Total (gal)		1000	2.20.09	
T-1	11,5 /32.2	433.588	32.8	3490495	33. 8	674317	34.1	694677	33.1	714158
T-2	5,59/16.1		14.4	19507	- 14.3	323 040	14.6	336980	16.1	345,370
T-3	7			1	111111111111111111111111111111111111111	. , , ,	111			
T-4										
T-5							٧.			
T-6						:				
B-3 (Total)	- 41	-	/	011						
CS-MW16-LGR		304889	0//	316,125	7.59	324,196	15.57	334,395	7.78	341659
CS-MW16-CC		590326	Reading (Pro	ell to 04	14.52 B-11-(DB-2)=*1	630743	19.69	is > or = 20 psi c	14.63	16169,622
	PB-1 - PB-2 = [	1) - U [ = ]	PB-1 - PB-2 = 4	12-40-2	PB-1 - PB-2 = 4	Note: If bag filter $2-40 = 2$	PB-1 - PB-2 = 47	10 = 20 psi c	PB-1 - PB-2 = U	-30,=4
						- 1	the same of the sa	Name and Address of the Owner, where the Party of the Owner, where the Party of the Owner, where the Owner, which is	16	- 10 1
Notes:	moselle 1 1 0 - 1	CH U		1 1 1 1 1 1	1 /	11/ = 9/11 - 11	NWIG	-LGR=284.8	MW-16	LGR= 285
	mwlu-LGR = 2		MW ILL -L	GK=2721	10	nk=3/4 full				V /
	mwlu-LGR = 2: mwlu-CC = 3: funk = 5/	67.2	MW14-	11 = 329.3	,	did not turn	MIJU	1-CL=376.0 NC=4/5 for		cl=392.

TP Kickedon

Week 95

Personnel:	ouch			Tronch	Sumpe Mar	ter Levels ('E	RTOC)			
		Sump Water		Trench	Sumps wa	ter Leveis (E	3100)			
Sump ID	Sump Depth	Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently	N	otes
Date: 2.23.1	(ft BTOC)		135	(deg. C)	(morem)		(mg/L)	Being Used (√)		
B3-T1-1	12.9		6.40	23.00	0 010	-710 0	5 47			
B3-T1-2	12.4	9.47	1 11/	77 27	0.328	-243 60	280 6h			
B3-T1-2	12.4	9.94	6.45	22.32	0.781	-240.5	0.40 0.38 kb	- /		
B3-T1-3	9.67	8.84	4.59	22.89	0.984	-57. U	1.08			
B3-T2-T	10.01	DRY	4.)	12.01	0.101	31,4	1.00			
B3-T2-2 B3-T3-1	9.96	926		+						
B3-T3-1	7.4	1501								
B3-T4-1	6.32	MAI								
B3-T5-1	9.33	K54	,							
B3-T5-2	7.98	451								
B3-T6-1	11.45	162								
B3-T6-2	12.34	11.85								
B3-UIC										
				B-3		stem Monitori	ng			
					Flow Meters					
Meter Date/Time:	2 - 23 · 09	0920	2.24.09	esday 0830	2:25:09	nesday 0905	2 24 · 09	0840	2.27.09	niday 0930
Date/Time.	2 0).01	0100	7 0 0			ulative Total (gal)	2 20	000		7
T-1	32.8	1767645	32.0	786,749	33.3	807,122	33.1	826635	847+10	30.7
T-2	14.3	346,443	15.3	374934	15.8	393,877	13.8	392715	14.6	401,082
T-3				,		- 1				(
T-4										
T-5 T-6										
B-3 (Total)									,	
CS-MW16-LGR	7.76	374.159	7.81	384,132	7.81	374,824	7.96	405096	Ø/l.	415,497
CS-MW16-CC	14.44	727 (08	14.109	140891	14.63	7-40933	14.50	979 935	21/	799 111
	Bag Fi				PB-1) - (PB-2)=	Note: If bag filter	pressure drop i	s > or = 20 psi c		
	PB-1 - PB-2 = [[			44-38=6		4-38=6	PB-1 - PB-2 = L/C	-38=6	PB-1 - PB-2 =	44-38-1
Notes: Tank	is 4/5 ful	\	MW16-1	Llyk = 287-1	MW 16- F	GR = 287.8	1/110-6	C- 375.4	Tanl	C=3/4 full TP Kicked
TID	np kicke	lon	_	CC = 394.9	INIU	11 375.4 375.4	an	V 15 m		TP Kicken
wanter Yun			1	111-111	10	W/ 415 [ ]	0 1 :	1 1 1 . (.	1	
MWIL-LGR MWIL-CC	! 287.1		lank:	L not kick	Weel	15 ml	TP NIC	I not kick		

Personnel J. Bov	ch + S. Ell	off				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	2/24/09	1424	14.03	14.20	22.47
CS-WB05-LGR-02	182		1423		14.25	14.14
CS-WB05-LGR-03A	216		1422		14.30	14.29
CS-WB05-LGR-03B	262		1421	-	20.50	15.96
CS-WB05-LGR-04A	277		1420		25,23	21,58
CS-WB05-LGR-04B	329		1419		47.88	44.17
CS-WB05-BS-01	362		1418		62,25	58.83
CS-WB05-CC-01	432		1417		92.66	58,74
CS-WB05-CC-02	460		14/4		104.81	71.13
CS-WB06-UGR-01	20		1501	14.03	[4,0]	16.08
CS-WB06-LGR-01	93		1500		14.0+	16.28
CS-WB06-LGR-02	174		1459		14.09	17.68
CS-WB06-LGR-03A	207		1458		14.09	18.99
CS-WB06-LGR-03B	260		1457		27.23	41.93
CS-WB06-LGR-04	320		1456		48.80 48.31	43.67
CS-WB07-UGR-01	14		1518	14.01	14.05	14-69
CS-WB07-LGR-01	90		15/7		14.06	17.88
CS-WB07-LGR-02	175		1516		14.70	24.02
CS-WB07-LGR-03A	208		1515		16.70	15.86
CS-WB07-LGR-03B	257		1514		14.14	37.13
CS-WB07-LGR-04	318		1513		43.22	42.66
CS-WB08-UGR-01	38		1445	13.99	14.20	14.06
CS-WB08-LGR-01	115		1444		14.25 4.06	22.26
CS-WB08-LGR-02	193		1442		14.25	16.63
CS-WB08-LGR-03A	228		1441		14.30	14.21
CS-WB08-LGR-03B	273	1//	1440		20.55.	15.21
CS-WB08-LGR-04	341	V	1438		50.00 49.25	45.13

Personnel:	Boul	, A. Linc	lly, WS.	Person Trench	Sumps Wa	ter Levels ('I	ВТОС)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ate: 3/3/	78	Time: 130	0					being osed (V)		
B3-T1-1	12.9	9.19	6.39	22.55	1.024	-236.5	0.36	1		
B3-T1-2	12.4	8.94	6.45	22.35	0.961	-249.3	0.38	1/		
B3-T1-3	12.85	8.96	6.43	22.65	0.894	-223.2	0.44			
B3-T2-1	9.67	8.74	6.74	22.63	0.828	- 77.6	1.38			
B3-T2-2	10.01									
B3-T3-1	9.96	9.23								
B3-T3-2	7.4	dry								
B3-T4-1	6.32	dury								-
B3-T5-1	9.33	dry						د		
B3-T5-2	7.98	dry								
B3-T6-1	11.45	11.84								-
B3-T6-2	12.34	11.85								
B3-UIC										
				B-3 <sup>-</sup>		stem Monitor	ing			
					Flow Meter					
Meter  Date/Time:	3.2.09	0814	3.3.09	ogg I	3.4.09	nesday 0830	3 ·5 · 09	rsday	3.4.09	b9o3
Date/Time.	15.2.01	4	12.201			ulative Total (gal		17095	2,0,0	07105
T-1	8991327	327	128.6	919079	31.1	937,793	34.2	958326	34.0	979.137
T-2	13.0	421505	14.2	431149	14.3	440,071	14.3	4487793	147	456999
T-3		15.1		131117						,
T-4										
T-5										
T-6						-				-
B-3 (Total) S-MW16-LGR	7.92	442,884	7.98	452,931	8.64	462799	7.92	47 2,856	4.92	482929
CS-MW16-CC	14.109	849.54	11110	869300	6, 64	899.878	14.80	908812	14.85	928815
03-10100	Bag Fi	Iter Pressure	Reading (Pr	essure Drop (F	PB-1) - (PB-2)=	Note: If bag filte	pressure drop	is > or = 20 psi c	hange fliter.	120015
	PB-1 - PB-2 = 41	4-38=6	PB-1 - PB-2 =	44-31,=8	PB-1 - PB-2 =	44-311=8	PB-1 - PB-2 = 4	0=04-6	PB-1 - PB-2 =	42-40=2
otes: Tank	is full		Tank	153/4/2		Tanky 5/2	le Tan	K=4/5 Full		Tank=3/4
-0 L	ned on			licked of	1 MW	14-CC : 374.	3 Chair	ned ba Fi	1tel	
PTIME					1	/ 1		7 TU V V V V V V V V V V V V V V V V V V		
- LGR = 2	-87.9	1		JK = 287.4	Was	97				

Personnel						
	Week	lv Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	3/3/09	1340	14.09	14.20	22.44
CS-WB05-LGR-02	182		1338	11.01	14.25	14.24
CS-WB05-LGR-03A	216		1336		14.30 14.20 14.2 AL	14.29 15.85 AL
CS-WB05-LGR-03B	262		1335		20.50	15,99
CS-WB05-LGR-04A	277		1334		25.75	21.56
CS-WB05-LGR-04B	329		1332		49.85	44.14
CS-WB05-BS-01	362		1331		64.00 62.27 94.00	58.79
CS-WB05-CC-01	432		1330		92,68	58.50
CS-WB05-CC-02	460		1328		106.85	
CS-WB06-UGR-01	20		1324	1// 1-	14.10	16.51
CS-WB06-LGR-01	93		1323	14.10	14.14	16.32
CS-WB06-LGR-02	174		1322		14.30	17.68
CS-WB06-LGR-03A	207		1321		14.35	18.97
CS-WB06-LGR-03B	260		1320	-	<sup>22.81</sup> 77.78 48.80	41.91
CS-WB06-LGR-04	320		1319		48.80	43.62
CS-WB07-UGR-01	14		1354	-	14.13	14.74
CS-WB07-LGR-01	90		1355	14.10	14.14	17.86
CS-WB07-LGR-02	175		1354		14.18	23.97
CS-WB07-LGR-03A	208		1353		14.19	15.84
CS-WB07-LGR-03B	257		1350	-	16,22	37.11
CS-WB07-LGR-04	318		14/4		14.20	42.64
CS-WB08-UGR-01	38				14.12	14.15
CS-WB08-LGR-01	115		1412	14.05	14.15	
CS-WB08-LGR-02	193		1408		14.17	14.23
CS-WB08-LGR-03A	228		1407	-	14.17	15.19
CS-WB08-LGR-03B	273		1405		50.00	45.07
CS-WB08-LGR-04	341		1 1		49.31	10. 1

14.20 14.29

ersonnel:	Bouch;	0111	off A.	Trench	Sumps Wat	er Levels ('I	ВТОС)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	pH	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ate: 3	10/09	Time: 09	40					Being Osed (V)		
B3-T1-1	12.9	9.32	6.48	23.02	0.940	-250.3	0.42			
B3-T1-2	12.4	9.05	6.59	22.99	0.916	-264.6	0.44			
B3-T1-3	12.85	8.95	6.53	22.84	0.818	-226.9	0.39			
B3-T2-1	9.67	8.68	6.60	23.59	0.835	-188.0	KO.41			
B3-T2-2	10.01	try					0.41			
B3-T3-1	9.96	9.19								
B3-T3-2	7.4	day								
B3-T4-1	6.32	day						1		
B3-T5-1	9.33	dry								
B3-T5-2	7.98	dry								
B3-T6-1	11.45	11.03								
B3-T6-2	12.34	11.82								
B3-UIC					( 0			7/4/4000		
				B-3		stem Monitor	ing		-	
Meter	Mon	day	Tuo	sday	Flow Meters	nesday	Thur	sday		Friday
Date/Time:	3.9.09	0853	3/10/09	0710	3/11/09	0800	3.17.0	0944	3.13.09	i
				Ra	te (gpm) / Cumi	ulative Total (gal				
T-1	31.	1,034146			12.3/31.5		31.3	1014662	33,2	1113986
T-2	14.1	489176	13.7	487,937	4.35/15.5	495,709	13.3	504 503	13.1	512,494
T-3		,								
T-4										
T-5 T-6						,	-			
B-3 (Total)	1	-					-			<del> </del>
S-MW16-LGR	8.09	510.713	18519797	7.98	7.87	529967	8.09	540,098	8/1	60054
CS-MW16-CC	14.74	982026		15,02	14910 -	204 41	1491	41324	(1) V	550,938
	Bag Fi	Iter Pressure	Reading (Pre	ssure Drop (P	B-1) - (PB-2)= *	Note: If bag filte	r pressure drop i	s > or = 20 psi c		
	PB-1 - PB-2 = 4	2-40=2	PB-1 - PB-2 = L	11-40=1	PB-1-PB-2= 47	-40=2	PB-1 - PB-2 =	2-40=2	PB-1 - PB-2 =	12-40=2
otes:	lank is 3		Flipped Truk 5/8	(4)	tank =	1 19	Tank !	3/5 full	Tank	is 3/4 full
					LIMIT - COLC	11.3	inwid -LGR.	- AX4.U		
	id not Ki	Wan You	1		mw16- (( =	377.2	mulle - CC =			

Personnel S. Ellist + A. Lindlay												
	Week	ly Wat	ter Leve	el Monito	oring							
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)						
CS-WB05-LGR-01	99	3/10/09	0734	1205	14.20/4.04	22.33						
CS-WB05-LGR-02	182		0735	13.95	14.25	14.10						
CS-WB05-LGR-03A	216		0734		14.13	14. 8						
CS-WB05-LGR-03B	262		0733		20.50	15.90						
CS-WB05-LGR-04A	277		0732		25.14	21.65						
CS-WB05-LGR-04B	329		0731		49.85	44.25						
CS-WB05-BS-01	362		0730		64.00	58.80						
CS-WB05-CC-01	432		0729		94.00	60.17						
CS-WB05-CC-02	460		0728		104.67	72.58						
CS-WB06-UGR-01	20		0805	14,00	14.20 14.04	14.12						
CS-WB06-LGR-01	93		0804	14,00	14.20	16.22						
CS-WB06-LGR-02	174		0803		14.30	17,73						
CS-WB06-LGR-03A	207		0802		14.35	18,97						
CS-WB06-LGR-03B	260		0801		22.81	41.85						
CS-WB06-LGR-04	320		0800)		48.80 48.25	43.55						
CS-WB07-UGR-01	14		6618	14.02	14.20 14.03	14.67						
CS-WB07-LGR-01	90		0817		14.25/4.08	17.81						
CS-WB07-LGR-02	175		08/6		14.20 14.12	23.90						
CS-WB07-LGR-03A	208		0815		14.30 14. 14	15.88						
CS-WB07-LGR-03B	257		0814		16.796.16	37.08						
CS-WB07-LGR-04	318		0813		43.2242.70	42.63						
CS-WB08-UGR-01	38		0751	13.98	14.20 14.03	14.03						
CS-WB08-LGR-01	115		0750		14.25	22.07						
CS-WB08-LGR-02	193		0749		14.25	15.19						
CS-WB08-LGR-03A	228		0748		14.30	14.15						
CS-WB08-LGR-03B	273		0747		20.55/9,41	15.20						
CS-WB08-LGR-04	341	V	0746		50,00 17	45.03						

	)	Cump Metan		Trench	Sumps Wa	ter Levels ('	RIOC)			
Sump ID	Sump Depth	Sump Water Level	рН	Temp.	SpCond.	ORP	DO (mg/l)	Trench Currently		Notes
2 501 0	(ft BTOC)	(ft BTOC) Time: 08	160	(deg. C)	(mS/cm)		(mg/L)	Being Used (√)		
te: 3.19.0				70.03	4 00 9	1 207 1	0,43	/		
B3-T1-1	12.9	9.39	6.54	22.23	0.998	-707.1				
B3-T1-2	12.4	8.90	6.59	21.50	0.804	- 727.5	0.36	300		
B3-T1-3	12.85	8.62		20.62	0.980	-263.9	0.28	F1//		
B3-T2-1	9.67	8.77	6.81	22.48	0.815	-9.5	1.31			
B3-T2-2	10.01	9.50				-				
B3-T3-1	9.96	9.18								
B3-T3-2	7.4	dry 6.251								
B3-T4-1	6.32	6.251								
B3-T5-1	9.33	1.30/10K	1							
B3-T5-2	7.98	7.88								
B3-T6-1	11.45	11.06								
B3-T6-2	12.34	11.80								
B3-UIC			7.37	22.54	6.628	-19.5	5.20		1120	32-ple
				B-3		stem Monitor	ring			
Meter	Mor	dov	Т.,,	esday	Flow Meter	s Readings nesday	Thu	ırsday		Friday
Date/Time:	3/14/09	0810	3.17.09	0825	3/18/09	0830	3.19.09	0837	3-20-09	0847
				Ra		ulative Total (ga	l)			The second second
T-1		465,204	32,4	1185,023	33.4	1,205598	28.6	1,224,762	10,2/28,5	1,243555
T-2	4.55 /13,8	532,663	12.6	540,942	13.4	549,010	14.1	559719	5.2/15.2	566,930
T-3		,		1				1		
T-4										
T-5						-				
T-6							-			-
B-3 (Total)	700	T-7-11011	9 90	100000		F-60 -07	7 00-	608,331	~	618669
S-MW16-LGR		577404	7.98	130714	Ø Ø	598,597	7.37	169884	Ø	189507
S-MW16-CC	14.96 Bag Fi	110,788	Reading (P	ressure Drop (F	PB-1) - (PB-2)=	Note: If bag filte	er pressure dron	is > or = 10 psi	change fliter.	10/30/
					PB-1 - PB-2 = 4		PB-1 - PB-2 = 4	4-40=4	PB-1 - PB-2 = e	14-41=3
otes:	tank = 3/4			Kilon	Tank=	Soll		= 287.6		
	mwil LGR=						MW 16-CC			
	NWILL - CC =		lank	= Full			Tank >		TANK	= 7/8 FW
	11010	5 111 2		- LGR = 289	1			ckedon		i Auto - veit on a

Personnel J. Bo	such, A.						
	Week Sampling Port			el Monito	oring Pressure in	Zone	
Well Interval	Depth (ft BTOC)	Sample Date	Sample Time	at TOC (psi)	MP (psi)	Pressure (psi)	
CS-WB05-LGR-01	99	3/18/09	0853	14,02	14.29	22.32	
CS-WB05-LGR-02	182		0851		14.25	14.17	
CS-WB05-LGR-03A	216		0851		14.30	14.22	3.18.09
CS-WB05-LGR-03B	262		0850		18,45	16.09	3.18.09
CS-WB05-LGR-04A	277		0849		27.00 25.18	21.91	
CS-WB05-LGR-04B	329		0848		49.85 47.86	44.50	
CS-WB05-BS-01	362		0847		64.00	59,04	
CS-WB05-CC-01	432		0846		94.00	60.08	
CS-WB05-CC-02	460		0844		106.85	71.94	
CS-WB06-UGR-01	20		1321		14.20	ile.33	
CS-WB06-LGR-01	93		1320		14.20	16.26	
CS-WB06-LGR-02	174		1319	14.05	14.30	17.64	
CS-WB06-LGR-03A	207		1318		14.17	18.97	3.18.09
CS-WB06-LGR-03B	260		1317		22.81	41.91	@ 1330
CS-WB06-LGR-04	320		1316		48.80	44.13	
CS-WB07-UGR-01	14		1400		14.20	14.84	
CS-WB07-LGR-01	90		1359		14.25	17.30	
CS-WB07-LGR-02	175		1358	14.05	14.20	23.86	
CS-WB07-LGR-03A	208		1357		14.30	15.79	3.18.39
CS-WB07-LGR-03B	257		1356		16.15	37.07	@ 1410
CS-WB07-LGR-04	318		1354		43.22	42.99	
CS-WB08-UGR-01	38		1022		14.20	14.13	
CS-WB08-LGR-01	115		1018		14.25	22.19	
CS-WB08-LGR-02	193		1017	14.07	14.17	14.40	
CS-WB08-LGR-03A	228		10.15	11701	14.30	14.19	3.19.00
CS-WB08-LGR-03B	273		1013		20.55	15.59	@ 1030
CS-WB08-LGR-04	341	1	1010		49.20	43. H	

Week 99

ersonnel:	19000 V 1	S. Elli		Trench	Sumps Wat	er Levels ('	BTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ate: 3.25	7-09	Time:	0							
B3-T1-1	12.9	9.64	6.53	23.09	1.002	-245.3	0.42	/		
B3-T1-2	12.4	9.18	6.55	22.88	0.972	-278.1	0.37	1/		
B3-T1-3	12.85	8.98	6.54	22.90	0.825	-243.1		V		
B3-T2-1	9.67	8.61	6.62	23.44	0.854	-135.6	0.46	1/		
B3-T2-2	10.01	\$ 9.59							1.001	
B3-T3-1	9.96	9.20							pH = 6,82	
B3-T3-2	7.4	DRY							and = 0.8	10
B3-T4-1	6.32	DRY				,			PO = 2.1	
B3-T5-1	9.33	9.33							ORP = -	100.2
B3-T5-2	7.98	6.62	6.60	22.58	0.943	-158.8	0.53		OW	1195
B3-T6-1	11.45	11.04							Temp=	this )
B3-T6-2	12.34	11.93							drill winter	at 102
B3-UIC										
				B-3	Transfer Sys		ring			
	Marie Marie		Tues	day	Flow Meters	nesday	Thur	sdav		Friday
Meter  Date/Time:		nday	3.24.09	0922	3.25.09	2630	3. 26. 09	0800	3.27.09	0953
Date/Timo.	13.23.01		1303318	R	ate (gpm) / Cumu	lative Total (ga	)			
T-1	11.2 86695	26.5	+303301	26.7	1319151.			1335466	26.6	1352921
T-2	589196	14.3	578037	14.2	604763	13.7	4.50/14.0	614748	13.4	1.23341
T-3	/		,				/			
T-4					-					+
T-5					-		+			-
T-6	1				-		-			92
B-3 (Total)	11.0.1A	17 00	11-2020	0 00	662299	8.04	8.15	67/101	9,7.9	8 68099
	2643649	7.98	25 3283		27-1156	14.96	15.18	247.630		7306.095
CS-MW16-CC	236249	ilter Pressur	e Reading (Pre	ssure Drop (	PB-1) - (PB-2)= *	Note: If bag filte	er pressure drop i	s > or = 20 psi c	hange fliter.	110000
The second second		44 47 =1	PB-1 - PB-2 = 4	11-112 m2	PB-1 - PB-2 = 41	1-47.=7	PB-1 - PB-2 = 44	42-2	PB-1 - PB-2 =	44-42=7.
votes: My II	- LGL = 28			100	11 MWILE-L	1 1 1 1 1	P tank =	3/4 F.11	Tax	X=3/4 full
1	1.		lankis	3/4 Fm		C . 341.8	2 0		1 00	14 Th11
NWIL	- LL = 39	10.2	,	1-1 100	Tanki		MWIG-CC			

\* Drilling of extraction well in Trenh 5/6 started 3/19/09

Personnel S.Ell.	ott & J. Bo	ĸh				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	3/27/09	1015		14.20 85	22.18
CS-WB05-LGR-02	182		1014	13.76	14.25	13.95
CS-WB05-LGR-03A	216		1013		13.92	14.07
CS-WB05-LGR-03B	262		1012		18.39	15.84
CS-WB05-LGR-04A	277		1011		27.00 4.84	21.71
CS-WB05-LGR-04B	329		1010		49.85	44.40
CS-WB05-BS-01	362		1009		64.00	58:86
CS-WB05-CC-01	432		1008		94.00 92.25	64.88
CS-WB05-CC-02	460		1007		106.85	76.77
CS-WB06-UGR-01	20		1044	13.82	13,83	15.98
CS-WB06-LGR-01	93		1043		13.07	16.63
CS-WB06-LGR-02	174		1042		11 01	17.72
CS-WB06-LGR-03A	207		1641		13.71 14.35 13.73	18.97
CS-WB06-LGR-03B	260		1040		21,96	41,91
CS-WB06-LGR-04	320		1039		48.8048.05	43,70
CS-WB07-UGR-01	14		1100	13.84	14.20 3.87	14.57
CS-WB07-LGR-01	90		1059	,,,,,	14.25	17.69
CS-WB07-LGR-02	175		1658		13.90	23.71
CS-WB07-LGR-03A	208		1057		13.93	15.79
CS-WB07-LGR-03B	257		1056		15.84	37.04
CS-WB07-LGR-04	318		1055		42.47	42.76
CS-WB08-UGR-01	38		1028	13.80	14.20	13.84
CS-WB08-LGR-01	115		1027		13.86	21.69
CS-WB08-LGR-02	193		1026		13.40	16.59
CS-WB08-LGR-03A	228		1025		13.91	14.05
CS-WB08-LGR-03B	273		1024		19.27	15.24
CS-WB08-LGR-04	341	V	1023		50.00 48.90	45.18

Personnel S.E/	lott + J. Bo	uch					-
	Week	ly Wat	ter Lev	el Monito	oring		1
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)	
CS-WB05-LGR-01	99	4/2/09	1112	13.88	14.20	22.11	1
CS-WB05-LGR-02	182		1111		14.25	13.97	
CS-WB05-LGR-03A	216		1110		14.30	14.04	
CS-WB05-LGR-03B	262		1109		20.50	15.92	
CS-WB05-LGR-04A	277		1108		24.88	21.71	
CS-WB05-LGR-04B	329		1107		49.85 47,55	44.36	
CS-WB05-BS-01	362		1106		64.00	58.88	
CS-WB05-CC-01	432		1105		92,30	64.07	
CS-WB05-CC-02	460		1104		106.85	76.49	
CS-WB06-UGR-01	20		1148	13.92	13.93	15.92	
CS-WB06-LGR-01	93		1147		13.95	14.07	
CS-WB06-LGR-02	174		1146		14.30	20.55	
CS-WB06-LGR-03A	207		1145		14.35	21,24	
CS-WB06-LGR-03B	260		1144		22.81	44.18	
CS-WB06-LGR-04	320		1139		48.80	43,57	
CS-WB07-UGR-01	14		1203	13.91	14.20	14.64	
CS-WB07-LGR-01	90		1202		14.00	17.62	
CS-WB07-LGR-02	175		1201		14.20	24.58	
CS-WB07-LGR-03A	208		1200		14.05	15.92	
CS-WB07-LGR-03B	257		1159		16.70	37.19	
CS-WB07-LGR-04	318	1158	1139	42,55		43.5700	42.6
CS-WB08-UGR-01	38		1178		13.93	14.00	
CS-WB08-LGR-01	115		1127	13.87	13.98	21.91	
CS-WB08-LGR-02	193		1126		14.00	16,59	
CS-WB08-LGR-03A	228		1125		14.30	14.07	
CS-WB08-LGR-03B	273	1/	1123		19.30	15,20	
CS-WB08-LGR-04	341	•	1122		50.00	45,04	

9	Bonch			Trench	Sumps Wat	er Levels ('E	BTOC)			_
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
Pate: 4-1.1	79		150					Being Used (V)		
B3-T1-1	12.9	9.50	6.49	23.06	0.613	-175.6	0.39			
B3-T1-2	12.4	9.17	6.40	23.05	0.621	-168.8	0.43			
B3-T1-3	12.85	9.97	le, 407	72,82	0.555	-141.8	0.410			
B3-T2-1	9.67	9.65	6.65	23.51	0.527	-51.3	0.46	. /		
B3-T2-2	10.01									
B3-T3-1	9.96	9.21								
B3-T3-2	7.4	1027	20							
B3-T4-1	6.32	DR-								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	6.20								
B3-T6-1	11.45									
B3-T6-2	12.34	11.06								
B3-UIC										
				B-3		tem Monitori	ing			
Meter	Mari	devi	Tue		Flow Meters		Thu	- day		Feldon
weter	Mon	aay		sday	4.1.09	esday 0924	42.09	rsday 1054		Friday
Date/Time:	13.30.00		13.21.09	040 V					42119	1 11 (31 )
Date/Time:	3-30.09	1134	3.31.09	0900 (1411,071) Ra	te (gpm) / Cumu			1059	4.3.09	1000
Date/Time:	25.0	1134	SECONDARY SE	(1,411,071) Ra	te (gpm) / Cumu	lative Total (gal)	24.6		25.1	1460736
T-1 T-2			26.7	(14/1.07) Ra	te (gpm) / Cumu	lative Total (gal)		1445160		
T-1 T-2 T-3	25.0	1395,039	26.7	(1,411,071) Ra	te (gpm) / Cumu 25.	lative Total (gal)	24.6	1446160	25.1	1460736
T-1 T-2 T-3 T-4	25.0	1395,039	26.7	(1,411,071) Ra	te (gpm) / Cumu 25.	lative Total (gal)	24.6	1446160	25.1	1460736
T-1 T-2 T-3 T-4 T-5	25.0	1395,039	26.7	(1,411,071) Ra	te (gpm) / Cumu 25.	lative Total (gal)	24.6	1446160	25.1	1460736
T-1 T-2 T-3 T-4 T-5 T-6	25.0	1395,039	26.7	(1,411,071) Ra	te (gpm) / Cumu 25.	lative Total (gal)	24.6	1446160	25.1	1460736
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total)	13.9	1395039	26.7	(141,07ARa  世間の子  しくち、サジュ	te (gpm) / Cumu 25. \n/    3	lative Total (gal)	24.6	1445160 673115	25.1	1460736 484033
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total)	13.9	1395039	26.7	141,070 Ra 141,071 6(5,752	te (gpm) / Cumu 25. \n/2 11. 3	14291 79 645269	24.6	1445160 673,115 733,594	25.1	1460736
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total)	25.0 13.9	139 5039 644 133	26.7	141,07ARa 141,07A 141,07A 145,752 14,010 349,649	te (gpm) / Cumu 25. \n/2 11. 3	1429179 645269	24.6	1445160 673,115 733,594 405,056	25.1	1460736
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total)	25.0 13.9 14.85 Bag Fi	1,34 1,39 5039 1,44,133 1705 934 253230 Iter Pressure	26,7 12.8	1141071 Ra  141071  441071  441071  441071  441071  441071  449071  449071	te (gpm) / Cumu 25. \g    3    3  4,9 \g  B-1) - (PB-2)=*	124 282 387, 735 Note: If bag filter	24.6	1445160 643,115 733,594 405,056 is > or = 20 psi c	25.1	1460736 681033
T-1 T-2 T-3 T-4 T-5 T-6 B-3 (Total) S-MW16-LGF CS-MW16-CC	25.0 13.9 14.85 Bag Fi	1,34 1,39 5039 1,44 1 33 25 3230 1ter Pressure	26,7 12.8	114 (11) 349 649 essure Drop (P	te (gpm) / Cumu 25. \g    3    3  4,9 \g  B-1) - (PB-2)=*	1429179 645269	2-4.1 <sub>0</sub> 17.1 <sub>e</sub> 8.32 15.18 pressure drop PB-1-PB-2 = 14	1445160 643,115 733,594 405,056 is > or = 20 psi c	25. 1 12. 7 14. 910 hange fliter. PB-1 - PB-2 =	1460736 681033

16 CC = 316.2

Week 101 16 CC = 370.4 01

				Trench S	Sumps Wat	er Levels ('E	BTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently		Notes
ate: 4.9.0	1	Time: 15	15		<b>网络拉斯斯</b>			Being Used (√)		
B3-T1-1	12.9	9.44	6.36	23.21	0.578	-220.9	0.41			
B3-T1-2	12.4	9.14	6.36	23.32	0.633	-221.10	0.40			
B3-T1-3	12.85	9.07	1034	23.07	0.562	-192.1	0.45	3		
B3-T2-1	9.67	8.69	6.55	23.67	0518	-108.6	0.5000			
B3-T2-2	10.01	7.70								
B3-T3-1	9.96	9.23								
B3-T3-2	7.4	DRY								
B3-T4-1	6.32	DD4								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	7.5								
B3-T6-1	11.45	DRY								
B3-T6-2	12.34	1184								
B3-UIC										
				B-3 T	ransfer Sys	tem Monitor	ing			
Meter	Man		<b>T</b>		Flow Meters		71			
Date/Time:	Mon	1305	7.7.09	esday 0910	4.8.09	nesday 097-7	4.9.09	0853	4-10-09	Friday 0750
Bator rinno.			1.1.01	Rat		lative Total (gal)	7.1.0	003)	4-7-07	0730
T-1	24.9	1506,291	24.7	1,520,340	25.5	1534,305	25.0	1,552,532	22,2	1566937
T-2	14.2	704,142	13.9	71,666	13.3	720062	17.9	729127	14,7	738581
T-3	·	,							•	
T-4					,					
T-5										
T-6										
B-3 (Total)	0 211	767282	8.15	774904	0 01	002002	0 /11	1702100	1.99	10-0
C BRIDIAN I OF	8.04	470250	15.12	484577	9.04	793873	8.04	793138	15-12	536336
S-MW16-LGR	1 10 111/-	470750	Reading (Pr	essure Drop (P	B-1) - (PB-2)= *	Note: If bag filter			hange fliter.	5 36 336
S-MW16-LGR S-MW16-CC	Bag Fi	iter Pressure				The state of the state of				Committee of the Commit
	Bag Fi PB-1 - PB-2 = U	a U7 = 4		44-47.2	PB-1 - PB-2 = 4	5-43=1)	PB-1 - PB-2 = U	10-42=4	PB-1 - PB-2 =	46-43=3

16 KgK: 280.9 16 (C: 362.9)

Week 102

A748

Personnel J.B	onch; K	Rice				
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	4.8.09	1448		14.20	22.23
CS-WB05-LGR-02	182		1447		14.25	14.14
CS-WB05-LGR-03A	216		1446		14.304.09	14.24
CS-WB05-LGR-03B	262		1444	11100	20.50	14.14
CS-WB05-LGR-04A	277		1443	14.00	27:00	22.09
CS-WB05-LGR-04B	329		1441		49.85	43.92
CS-WB05-BS-01	362		1440		94,00	59.12
CS-WB05-CC-01	432		1439		106.85	60.07
CS-WB05-CC-02	460	V	1437		104.50	72.43
CS-WB06-UGR-01	20	4-8-09	1527		14.20	15.97
CS-WB06-LGR-01	93		1524		14.03	16.21
CS-WB06-LGR-02	174		1523	1398	14.08	22.68
CS-WB06-LGR-03A	207		1521	, ,	14.09	21.97
CS-WB06-LGR-03B	260		15 19		22.07	44.89
CS-WB06-LGR-04	320	A	15/4		1420 . 1	44.82
CS-WB07-UGR-01	14	4.8.09	1542		14.25	15.27
CS-WB07-LGR-01	90		1540		14.20	17.74
CS-WB07-LGR-02	175		1539	0	14.30	24.79
CS-WB07-LGR-03A	208		1538	1399	14.09	17.35
CS-WB07-LGR-03B	257	1	1536	, -	43.22	38.40
CS-WB07-LGR-04	318	100 9	1534		14.20	43.79
CS-WB08-UGR-01	38	4.8.09	1505		14.25	15.53
CS-WB08-LGR-01	115		1504	/	14.25	22.37
CS-WB08-LGR-02	193		1505	13.95	14.07	17.36
CS-WB08-LGR-03A	228		1502		20.55	14.22
CS-WB08-LGR-03B	273		1501		19.39	15 77
CS-WB08-LGR-04	341	V	1500		49.01	46.41

Personnel 5,E/li	off + J. Bou	rch				<u> </u>
	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	4/14/09	0930	14.05	14.20	22.12
CS-WB05-LGR-02	182		0929		14.25	14.16
CS-WB05-LGR-03A	216		0928		14.30	14.12
CS-WB05-LGR-03B	262		0927		18.42	16.26
CS-WB05-LGR-04A	277		0926		24,99	22.27
CS-WB05-LGR-04B	329		0925		47.66	44.96
CS-WB05-BS-01	362		0924		162.01	59.35
CS-WB05-CC-01	432		0923		94.00 92.41	65.92
CS-WB05-CC-02	460		0922		104.57	77.84
CS-WB06-UGR-01	20		1001	14.10	14.20	16.03
CS-WB06-LGR-01	93		1000		14,14	14.22
CS-WB06-LGR-02	174		0959		14.18	20.53
CS-WB06-LGR-03A	207		0958		14.20	21.12
CS-WB06-LGR-03B	260		0957		22.16	44,06
CS-WB06-LGR-04	320		0956		48.48	44.21
CS-WB07-UGR-01	14		1016	14.09	14.20	14.64
CS-WB07-LGR-01	90		1015		14.20	17.67
CS-WB07-LGR-02	175		1014		14.18	23.89
CS-WB07-LGR-03A	208		1013		14,20	16.58
CS-WB07-LGR-03B	257		1012		14, 10	37.82
CS-WB07-LGR-04	318		1011		42,69	43,53
CS-WB08-UGR-01	38		0946	14.04	14.09	14.71
CS-WB08-LGR-01	115		0945	70 2 9 1	14.14	21.99
CS-WB08-LGR-02	193		0944		14.17	17.44
CS-WB08-LGR-03A	228		0943	-	14, 18	14.14
CS-WB08-LGR-03B	273	1/	0942		19.46	15.83
CS-WB08-LGR-04	341	V	0941		49.11	45.85

Personnel:	DouCI	7: S. E	HOH	Trench S	Sumps Wat	ter Levels ('E	BTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ate: 4.14.	09	Time: 107	5							
B3-T1-1	12.9	10.35	6.48	23.44	0,884	-224.6	0.52			
B3-T1-2	12.4	9.91	6.44	23.22	1.000	-2200	0.5	1/		
B3-T1-3	12.85	9.59	4.57	23 39	0.901	-209.1	0.41			
B3-T2-1	9.67	8.53	6.71	23.78	0.801	-96.6	0.73			
B3-T2-2	10.01	9.47	4.71	25.11	1.937	-124.3	0,52			
B3-T3-1	9.96	9.20								
B3-T3-2	7.4	DRY								
B3-T4-1	6.32	DRY								
B3-T5-1	9.33	DRY								
B3-T5-2	7.98	7.87								
B3-T6-1	11.45	11.04						_		
B3-T6-2	12.34	11.85								
B3-UIC										
				B-3 T		stem Monitori	ing			
Meter	Mar	-d	T	a day	Flow Meters	s Readings nesday	Thu	rsday		Friday
Date/Time:	Mon 4.13.09	0917	4.14.09	esday 0917	4.15.09	10875	4.14.09	1914 1914	4.17.07	Tiuay
				Rat	te (gpm) / Cumi	ulative Total (gal)				
T-1	21.7	16 05:434	20.7	1619567	- 21.3	1632865	17.6	1647975	77121.0	1660900
T-2	13.2	758907	13.4	767.652	13.3	775,563	14.6	984039	4.05/13.2	7917-03
T-3				/ .				1	1	,
T-4				-						
T-5										
T-6								-		-
B-3 (Total) S-MW16-LGR	8.15	824001	d	832637	N	840, 623	8.60	848,764	8.1	857,160
CS-MW16-CC	15.12	577-990	10	594009	P(V)	608765	15-51	1023973	15.3	639730
33-11111 10-00	Bag Fi	Iter Pressure	Reading (Pr	essure Drop (P		Note: If bag filter		is > or = 20 psi c	hange fliter.	105170
	PB-1 - PB-2 = 1	10-44-7		46-44=2				41.44=0	PB-1 - PB-2 = 44	3-45=3
otes: 16 FC	= 283.4			7R=274.8		7	Tank	153/5 Full		
1666	= 363.1 [an V is 3 [not K	100		c=324.8		112-111		lidnot Kick	. 10	
(10.1	Ankis 3	14/2/				154/5 fall				
TP Die	Lnot K	ick on	TPI	cicked on	TP	kicked on		to or w heigh		
			1 1	CIC - OC ON	vveel	11	* Como	back tank	,	
							" ( Ochole			

	Week	ly Wat	er Leve	el Monito	oring	
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)
CS-WB05-LGR-01	99	4.24.09	1926		14.20	22.13
CS-WB05-LGR-02	182		0922		14.25 4.13	14.12
CS-WB05-LGR-03A	216		0921		14.30	14.15
CS-WB05-LGR-03B	262		0913	14.03	20.50	16.10
CS-WB05-LGR-04A	277		0917		24.87	21.62
CS-WB05-LGR-04B	329		0915		49.85	44.18
CS-WB05-BS-01	362		0913		64.00	58.80
CS-WB05-CC-01	432		0911		94.00	66.01
CS-WB05-CC-02	460	Y	0908		106.85	78.49
CS-WB06-UGR-01	20	4.24.09	1033		14.20	14.02
CS-WB06-LGR-01	93	1	1032	14.05	14.20	14.24
CS-WB06-LGR-02	174		1030	404	14.30	21.62
CS-WB06-LGR-03A	207		102%	JOB	14.35 14.16 22.81	21.81
CS-WB06-LGR-03B	260		1026		22.0	44.71
CS-WB06-LGR-04	320	V	1024	<u> </u>	48.80 4°0.10	42.95
CS-WB07-UGR-01	14	4.24.09	1102		14.20	14.58
CS-WB07-LGR-01	90		1059		14.25	17.72
CS-WB07-LGR-02	175		1057	14.05	14.20	24.06
CS-WB07-LGR-03A	208		1055		14.30	16.21
CS-WB07-LGR-03B	257		1653		15.92	37.42
CS-WB07-LGR-04	318	V	1050		42.53	42.33
CS-WB08-UGR-01	38	424.09	1006		14.20	14.06
CS-WB08-LGR-01	115		1003		14.11	22.2
CS-WB08-LGR-02	193		1001		14.25	1690
CS-WB08-LGR-03A	228		6959	14.04	14.30 4.17	14.15
CS-WB08-LGR-03B	273		0956	,	20.55	15.01
CS-WB08-LGR-04	341	A	0954		49.90	59. 44.4

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w	A.
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Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ite:		Time:						Being Osed (1)		
B3-T1-1	12.9	10.60	6.39	23.55	0.645	-219.1	6.36		0 104	10
B3-T1-2	12.4	9.80	6.39	23.44	0.727	-221.0	0.33		@ 135	9 - boxston
B3-T1-3	12.85	9:15	02,45	23.33	0.658	-213.2			(a) 1500	
B3-T2-1	9.67	8.45	6.54	24.10	0.609	-100.9	0.59	1	0 100	0
B3-T2-2	10.01	9.69								
B3-T3-1	9.96	9.26	6,04	27,17	0.587	-122.9	0.32			
B3-T3-2	7.4	Dm								
B3-T4-1	6.32	Dry								
B3-T5-1	9.33	Dry								
B3-T5-2	7.98	Sign								
B3-T6-1	11.45	1171								,
B3-T6-2	12.34	11,92								
B3-UIC	EFE DE CO	120000	7.50	74-Ale	0.456	-39.6	6.52		(B) 1600	W
				B-3 7		stem Monitor	ing			
Meter	V-		T	us a desi		s Readings	Thu	rsday		Friday
Date/Time:	4.20.09	0850	471.09	lesday 00 30	477:09	Inesday 32	4.23.09	08454	4.24.09	0845
Bato/ Fillio.		- 430	1517/107	Ra		ulative Total (gal)		0 0 1 3	1	
T-1	20.2	1695353	19.4	1709942	19.3	1722395	20.4	1735497	7.04/	1748611
T-2	14.2	811329	13.3	820.645	12.9	828707	13.7	836,928	4.161	345,381
T-3					,				,	(
T-4										
T-5										
T-6										
B-3 (Total)	0 0	80010	- V	00 10100	~	00	17	0 50 120	2011	910,694
-MW16-LGR	8.09	878135	8	1094463	Ø	709314	Y d	902637	8.54	739 00 8
S-MW16-CC	Bag F	Iter Pressure			PB-1) - (PB-2)=	*Note: If bag filter	pressure drop			757,000
		6-45=1		49-410=1	PB-1 - PB-2 = U	18-44=4	PB-1 - PB-2 = 4m	-44 = 3	PB-1 - PB-2 =	
tes:	Tank: fo		Tank		-1	21 0 1	3/4 fu	1 (tank)		

# 4/30/09 - Flout Switch testing

- 1400 turned off wells and opened value at the end of trench I to obtain tank faster, transfor pump running
- 1520 transfer pump kicked off at 1/8 tank
  - closed value at the end of trench I, turned wells back on , closed value behind bag filter to allow tank to fill
- 1535 Checked bag filter, curious as to why the pressure is about 10 psi higher than normal, bag filter had a big hole in the bottom, suspect wrong filter was used last time, replaced with 75 micron filter
- next week, untill then the transfer pump will remain off at night

<sup>\* 75</sup> micron filter was used last time bag filter was changed pressure still at 48 this morning on bag filter

	,	Quarterly Mo	nitoring			
MPMWs	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Inside Pressure	Zone Pressure	
CS-WB05-LGR-01	99	4.29.09	1430	14.05	22.13	
CS-WB05-LGR-02	182	4.29.09	1358	14.10	14.10 4	- d
CS-WB05-LGR03A	216	4:29.09	1350	14.12	14.16	dry
CS-WB05-LGR03B	262	9/20/09	0930	20.46	16.40	5 W
CS-WB05-LGR04A	277	4.29.09	1330	2443	21.84	I
CS-WB05-LGR04B	329	4.29-09	1100	49.14	44.53	
CS-WB05-BS-01	362	4.29.09	1000	63.57	58.81	
CS-WB05-CC-01	432	4.28.09	1345	94.25	62.86	
CS-WB05-CC-02	460	4.28.09	1145	106.55	76.46	
CS-WB06-UGR-01	20	4.23.09	17.35	14.03	15.96	
CS-WB06-LGR-01	93	4.2309	1000	14.06	16.22	
CS-WB06-LGR-02	174	4.23.09	0900	14.10	19.50	1
CS-WB06-LGR03A	207	4.22.09	1300	14.12	20.17	1
CS-WB06-LGR03B	260	4/20109	1355	24.12	43.30	
CS-WB06-LGR-04	320	4/22/09	1030	50.02	43.81	
CS-WB07-UGR-01	14	4-28-09		14.11	14.57	ba
CS-WB07-LGR-01	90	4.28.09	1005	1413	17.70	/
CS-WB07-LGR-02	175	4.29.09	(120	14.13	24.44	
S-WB07-LGR03A	208	4.27.09	0940	10 14.11	014.59	
S-WB07-LGR03B	257	4.20.09	1240	2232	37-46	Samp
CS-WB07-LGR-04	318	7/22/09/1	00301400	44.50	42.36	
CS-WB08-UGR-01	38	4.22.09	-	14.06	14.05	DR
CS-WB08-LGR-01	115	422.09	0900	14.16	2209	
CS-WB08-LGR-02	193	4/21/09	1420	14.09	17.29	
S-WB08-LGR03A	228	4/21/09		14.07	14.14	DR
S-WB08-LGR03B	273	4/21/69	0955	21.44	15,58	
S-WB08-LGR-04	341 Sample Sam	1/21/09	1130	50.96	45.48	
Monitroing Wells	Date Tin	ne PH	Temp SpCor	nd ORP	DO	
B3-MW01	4/20/04 144	5 7,23	21.59 2.00	8-12-6	1.19	
CS-D	dry					
CS-MW16-LGR		_	12.15 0.542	97.0	2.13	
CS-MW16-CC	1019	7.40 3	12.93 0.135	1.0	3.30	

Personnel J-DOUCH, E. Tennyson										
Weekly Water Level Monitoring										
Well Interval	Sampling Port Depth (ft BTOC)	Sample Date	Sample Time	Pressure at TOC (psi)	Pressure in MP (psi)	Zone Pressure (psi)				
CS-WB05-LGR-01	99	5-1.09	1436		14.20 4.06	21.88				
CS-WB05-LGR-02	182	)	1435		14.25	14.14				
CS-WB05-LGR-03A	216		1434	14.01	14.30	14.17				
CS-WB05-LGR-03B	262		1433	110	20,50	No. 15				
CS-WB05-LGR-04A	277		1432		27.00 24.34 49.85	22.04				
CS-WB05-LGR-04B	329		1429		49.00	44.35				
CS-WB05-BS-01	362		1428		94.00	59.01				
CS-WB05-CC-01	432		1427		91.71	66-0				
CS-WB05-CC-02	460	W	1426	-	103-89	79.40				
CS-WB06-UGR-01	20	5-1-09	1517		14.20	15.96				
CS-WB06-LGR-01	93		15/6		14.30	16.22				
CS-WB06-LGR-02	174		1514	11 n2	14.35	22.0				
CS-WB06-LGR-03A	207		1513	19.05	22.81	21.95				
CS-WB06-LGR-03B	260	1	1512		21.91	44.85				
CS-WB06-LGR-04	320	V	15/0		14.20	43.16				
CS-WB07-UGR-01	14	5.1.09	1540		14.25	1440				
CS-WB07-LGR-01	90		1538		14.20	17.65				
CS-WB07-LGR-02	175		1537	14.05	14.30	24.32				
CS-WB07-LGR-03A	208		1635	1	16.70	16. 10				
CS-WB07-LGR-03B	257	1	1534		43.22 40	34.90				
CS-WB07-LGR-04	318	V	1530		14.20 . (05)	42,52				
CS-WB08-UGR-01	38	5-1-09	1459		14.25	14.02				
CS-WB08-LGR-01	115		1957	14.00	14.25	22.04				
CS-WB08-LGR-02	193		1754		14.30	17.45				
CS-WB08-LGR-03A	228		1758		20.55	14.10				
CS-WB08-LGR-03B	273	1	1459		50.00	15.28				
CS-WB08-LGR-04	341	V	1451		48.74	44.60				

	0	, S. Ellio.	,	Trench S	Sumps Wat	ter Levels ('I	BTOC)			
Sump ID	Sump Depth (ft BTOC)	Sump Water Level (ft BTOC)	рН	Temp. (deg. C)	SpCond. (mS/cm)	ORP	DO (mg/L)	Trench Currently Being Used (√)		Notes
ate: 5.1.0°		Time: 140	100	014	2 70 0		1011			
B3-T1-1	12.9	10.68	6.27	24.12	0.580	-201.0	0.47	/		
B3-T1-2	12.4	10.54	4.24	23.94	0.652	-1893	0.46			
B3-T1-3	12.85	10.40	6.34	23.80	0.564		(0.4)	-		
B3-T2-1	9.67	8.50	6.43	24.56	0.550	~201.0	0.56	1		
B3-T2-2	10.01	9.70	- 10			10.0	V			
B3-T3-1	9.96	9.22	6.23	27.31	0.556	-184.8	0.49			
B3-T3-2	7.4	DKY.		-						
B3-T4-1	6.32	URY			1.1					
B3-T5-1	9.33	DRH			5					
B3-T5-2	7.98	4.03				,				
B3-T6-1	11.45	11.05		iv						
B3-T6-2	12.34	11.85								
B3-UIC					À					
7 6	1.	A .		B-3/T		stem Monitor	ing			
Meter	o Mor		Tuo	adau	Flow Meters		Thur	aday T		Friday
Date/Time:	4.27.09		4.28.09	0930	4.29.09	nesday 0%44	4.30.09	0845	5.1.09	1024
				Rat	e (gpm) / Cum	ulative Total (gal	) (			
T-1	19.0	1779669	19.3	1792372	5.83	1,804,541	4.71/16.1	1,806,660	11.6	1911149
T-2	14. O	865,665	12.5	874313	4.33	882864	8.65/12.6	884,404	11.4	890,15
T-3				,		/	,			
T-4		-								
T-5		-			· .					
T-6			-	, , ,			-	-		
B-3 (Total) S-MW16-LGR	Ø.	931458	6	939,428	Ø	947 413	8.99	947413	1	954,482
CS-MW16-CC		777 234	1/2	791983	0	806628	16.05	806 628	7	819453
73-14144 10-00	Bag Fi		Reading (Pre	ssure Drop (P	B-1) - (PB-2)= *	Note: If bag filter	r pressure drop i		hange fliter.	
	PB-1 - PB-2 = 4	9-44 = 4	PB-1 - PB-2 = U	3-44-04	PB-1 - PB-2 =		PB-1 - PB-2 = 4			8-48-0
otes:	ink is 4	5 full	Tank i	3-44-04 53/4 mil	- TP+Will	be off al float switch	- wells off		T	ank 3/4 full
TP	Kicken	VIA		K	repair	F/IGHT >	repair com	plete, float t	esting P	W 16 - LGR - 28
				ust be the io math	Weel		-1 -	ter 8 1		
			9	1.0.			mulle -16	K = 20114 11		
			1.4	ist bet			1111111111	1 = 3544 Over	/	

# New Extraction Well B3-EXW01 Analytical Data

# **Laboratory Report**

# **Parsons**

# **CSSA**

DO11 - #39

Subcontract #: 746545.70000.7051.61 WBS 02000

ARF: 58872



Sample collected: May 12, 2009

APPL, Inc.

# Data Validation Package

## for

# Subcontract #: 746545.70000

## ARF 58872

## **TABLE OF CONTENTS**

LABORATORY NAME: <u>APPL, Inc.</u>	
Case Narrative	3
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# **CASE NARRATIVE**



#### **Case Narrative**

ARF:

58872

Project: 746546.02000 CSSA

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Results in this report apply to the sample analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

#### **Sample Receipt Information:**

The water sample was received May 13, 2009, at 2.5°C. The samples were assigned Analytical Request Form (ARF) number 58872. The sample number and requested analyses were compared to the chain of custody. No exception was noted.

#### Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
B3-EXW01	AX96655	WATER	05/12/09	05/13/09

# Volatile Organic Compounds EPA Method 8260B

#### Sample Preparation:

The sample was purged according to EPA method 5030B. All holding times were met.

#### **Sample Analysis Information:**

The sample was analyzed according to EPA method 8260B using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector. All holding times were met.

#### **Quality Control/Assurance**

#### **Spike Recovery**

A Laboratory Control Spike (LCS) was used for quality assurance. A second-source standard was used for the LCS. Two compounds recovered below their lower control limit: 1,1-DCE at 71.7% and trans-1,2-DCE at 72.1%. Three compounds recovered above their upper control limits: 1-Chlorohexane at 128%, Bromomethane at 136%, and Chloromethane at 150%. All other recoveries were acceptable.

No sample was designated by the client for an MS/MSD analysis.

#### **Surrogates**

All surrogate recoveries met acceptance criteria.

#### Method blanks

No target analyte was detected above the reporting limit.

#### Calibration

Initial and continuing calibrations were analyzed according to the method. All SPCC and CCC calibration criteria were met, except 1,1-DCE which decreased in sensitivity with a 23% deviation.

#### Tuning:

The instrument was tuned using BFB. All method criteria were met.

#### **Internal Standards**

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8260. All acceptance criteria were met.

#### **Summary:**

No other analytical exception is noted.

# **Inorganic Analyses**

#### EPA Method 160.1

#### **Sample Preparation and Analysis Information:**

The water was prepared and analyzed according to the method.

#### **Quality Control/Assurance**

**Calibrations:** 

Blanks:

No target analyte was detected above the PQL in the method blank.

Spikes:

Laboratory Control Spikes (LCS/LCSD) were used for quality assurance. All recoveries met acceptance criteria.

#### **Summary:**

No analytical exception is noted.

#### **CERTIFICATION**

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Leonard Fong, Ph.D, Laboratory Director / Date

# CHAIN OF CUSTODY AND ARF

Client: **Parsons** Received by: TBV Address: 8000 Centre Park Drive Ste 200 Date Received: 05/13/09 Time: Austin, TX 78754 Delivered by: **FED EX** Attn: Shuttle Custody Seals (Y/N): Y **Tammy Chang** Phone: 512-719-6092 Fax: 512-719-6099 Chest Temp(s): 2.5°C Color: Job: 746546.02000 CSSA **VOA.O-ORGREEN** Samples Chilled until Placed in Refrig/Freezer: PO #: 746545.70000.7051.61 WBS 02000 Project Manager: Diane Anderson Chain of Custody (Y/N): Y # 051209APPFA QC Report Type: DVP3/ERPIMS/TX U RAD Screen (Y/N): Y pH (Y/N): **N** Turn Around Type: ONE WEEK 05/19/09 Due Date:

#### Comments:

pdf ARF to Tammy & Pam; send 2 DVP3 to Tammy

Data screening project: analyze samples ONCE; report deficiencies;  $\sqrt{8}\!\!\sqrt{}$ do NOT re-analyze. Case Narrative. CSSA + AFCEE 3.1 QAPP √ 5√ Report J values to MDL; standard RLs and control limits. Standard Lab QC.

5-18 POP-4 ALF Sample Distribution: Charges: Invoice To: VOA: 1-\$826AW Wetlab: 1-\$TDS 8000 Centre Park Drive Ste 200 Austin. TX 78754-5140 Attn: Ellen Felfe Client ID APPL ID Sampled **Analyses Requested**  B3-EXW01 05/12/09 12:00

\$826AW, \$TDS

Project Location: CSSA  Job Number: 746546.02000		JDB 5:00 PM	LabCode: Carrier:	APPF FedEx	Sampler(s):	7 Tony 12 12 12 12 12 12 12 12 12 12 12 12 12		
): <b>B3-EXW</b>	[ ت	E X	TBLOT: ABLOT:	Containers:	Analysis Required E160.1 TOTAL D	ISSOLVED SOL	SW8260B VOLATILE	VOLATILE ORGANIC CO
							TMT	7
							****	
	. •				-			
						÷		
Relinquished by	Date Jume 120	Relinquished by:		Date	_Time	Relinquished by:	Date	DateTime

- 4	COOLER RECEIPT FORM
1) Project:	7465456.02000 CSSA Date Received:
2) Coolers:	Number of Coolers: 1
3) (ES NO	Were coolers and samples screened for radioactivity?
4) VES NO	Were custody seals on outside of cooler? How many?Date on seal?Date
5)	Number of Coolers:!  Were coolers and samples screened for radioactivity?  Were custody seals on outside of cooler? How many? Date on seal?
6) YES NO NA	Well Custous stall ulibiorali alla litati at tile tillie til allival:
7) XES NO	Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex
8)	Shipping slip numbers:1) 869 0 6038 7776 2) 3)
9) YES NO NA	Was the shipping slip scanned into the database?
	If cooler belongs to APPL, has it been logged into the ice chest database?
	e of packing in cooler (bubble wrap, popcorn, type of ice, etc.):
	wrap, wet Ice
12) YES NO NA	For hand delivered samples was sufficient ice present to start the cooling process?
	Was a temperature blank included in the cooler?
	or of certified NIST thermometer used: A 39267Correction factor:6
	(s): 1) 2 · 5 · (2) 3) 4) 5) 6) 7) 8)
Chain of custod	· · · · · · · · · · · · · · · · · · ·
16) YES NO	Was a chain of custody received?
17) ES NO	Were the custody papers signed in the appropriate places?
· 🗪	Was the project identifiable from custody papers?
19)(YES NO	Did the chain of custody include date and time of sampling?
20) YES NO	Is location where sample was taken listed on the chain of custody?
Sample Labels:	is location where sumple was taken local on the chain of custody.
<u> </u>	Were container labels in good condition?
	Was the client ID on the label?
, _	Was the date of sampling on the label?
	Was the time of sampling on the label?
_	• •
Sample Contain	Did all container labels agree with custody papers?
	ers. Were all containers sealed in separate bags?
	Did all containers arrive unbroken?
· —	
	Was there any leakage from samples?
, <u> </u>	Were any of the lids cracked or broken?
•	Were correct containers used for the tests indicated?
	Was a sufficient amount of sample sent for tests indicated?
	Were bubbles present in volatile samples? If yes, the following were received with air
	pea:
	pea:
Preservation & I	lold time:
	Was a sufficient amount of holding time remaining to analyze the samples?
	Do the sample containers contain the same preservative as what is stated on the COC
	Was the pH taken of all non-VOA preserved samples and written on the sample conta
	Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 10.
	Lab notified if pH was not adequate:
Deficiencies:	
Signature of person	onnel receiving samples: Second reviewer:
	oct manager notified:
	tified:Date and Time of notification:
Information diven	to client:
mornadon given	by whom (Initials):
	by whom (minus).

# **EPA METHOD 8260B Volatile Organic Compounds**



# EPA METHOD 8260B Volatile Organic Compounds QC Summary



#### Method Blank EPA 8260B - AFCEE 3.0 (Water)

Blank Name/QCG: 090513W-96655 - 132731

Batch ID: \$826AW-090513AN

APPL Inc. 908 North Temperance Avenu Clovis, CA 93611

Sample 1	Type Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	1,1,1,2-Tetrachloroethane	Not detected	0.5	0.13	ug/L	5/13/2009	5/13/2009
BLANK	1,1,1-TCA	Not detected	0.8	0.14	ug/L	5/13/2009	5/13/2009
BLANK	1,1,2,2-Tetrachloroethane	Not detected	0.4	0.10	ug/L	5/13/2009	5/13/2009
BLANK	1,1,2-TCA	Not detected	1.0	0.20	ug/L	5/13/2009	5/13/2009
BLANK	1,1-DCA	Not detected	0.4	0.19	ug/L	5/13/2009	5/13/2009
BLANK	1,1-DCE	Not detected	1.2	0.30	ug/L	5/13/2009	5/13/2009
BLANK	1,1-Dichloropropene	Not detected	1.0	0.20	ug/L	5/13/2009	5/13/2009
BLANK	1,2,3-Trichlorobenzene	Not detected	0.3	0.29	ug/L	5/13/2009	5/13/2009
BLANK	1,2,3-Trichloropropane	Not detected	3.2	0.39	ug/L	5/13/2009	5/13/2009
BLANK	1,2,4-Trichlorobenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
BLANK	1,2,4-Trimethylbenzene	Not detected	1.3	0.19	ug/L	5/13/2009	5/13/2009
BLANK	1,2-DCA	Not detected	0.6	0.14	ug/L	5/13/2009	5/13/2009
BLANK	1,2-DCB	Not detected	0.3	0.17	ug/L	5/13/2009	5/13/2009
BLANK	1,2-Dibromo-3-chloropropane	Not detected	2.6	0.76	ug/L	5/13/2009	5/13/2009
BLANK	1,2-Dichloropropane	Not detected	0.4	0.17	ug/L	5/13/2009	5/13/2009
BLANK	1,2-EDB	Not detected	0.6	0.20	ug/L	5/13/2009	5/13/2009
BLANK	1,3,5-Trimethylbenzene	Not detected	0.5	0.12	ug/L	5/13/2009	5/13/2009
BLANK	1,3-DCB	Not detected	1.2	0.11	ug/L	5/13/2009	5/13/2009
BLANK	1,3-Dichloropropane	Not detected	0.4	0.17	ug/L	5/13/2009	5/13/2009
BLANK	1,4-DCB	Not detected	0.3	0.19	ug/L	5/13/2009	5/13/2009
BLANK	1-Chlorohexane	Not detected	0.5	0.17	ug/L	5/13/2009	5/13/2009
BLANK	2,2-Dichloropropane	Not detected	3.5	0.22	ug/L	5/13/2009	5/13/2009
BLANK	2-Chlorotoluene	Not detected	0.4	0.14	ug/L	5/13/2009	5/13/2009
BLANK	4-Chlorotoluene	Not detected	0.6	0.13	ug/L	5/13/2009	5/13/2009
BLANK	Benzene	Not detected	0.4	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Bromobenzene	Not detected	0.3	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Bromochloromethane	Not detected	0.4	0.15	ug/L	5/13/2009	5/13/2009
BLANK	Bromodichloromethane	Not detected	0.8	0.14	ug/L	5/13/2009	5/13/2009
BLANK	Bromoform	Not detected	1.2	0.14	ug/L	5/13/2009	5/13/2009
BLANK	Bromomethane	Not detected	1.1	0.24	ug/L	5/13/2009	5/13/2009
BLANK	Carbon tetrachloride	Not detected	2.1	0.10	ug/L	5/13/2009	5/13/2009
BLANK	Chlorobenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
BLANK	Chloroethane	Not detected	1.0	0.21	ug/L	5/13/2009	5/13/2009
BLANK	Chloroform	Not detected	0.3	0.07	ug/L	5/13/2009	5/13/2009

Quant Method: N826AW.M Run #: 0513N05 Instrument: Neo Sequence: N090504 Initials: GM

GC SC-Blank-REG MDLs Printed: 5/29/2009 10:40:06 AM

#### Method Blank EPA 8260B - AFCEE 3.0 (Water)

Blank Name/QCG: 090513W-96655 - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenu

Clovis, CA 93611

Sample T	ype Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	Chloromethane	Not detected	1.3	0.31	ug/L	5/13/2009	5/13/2009
BLANK	Cis-1,2-DCE	Not detected	1.2	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Cis-1,3-Dichloropropene	Not detected	1.0	0.15	ug/L	5/13/2009	5/13/2009
BLANK	Dibromochloromethane	Not detected	0.5	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Dibromomethane	Not detected	2.4	0.20	ug/L	5/13/2009	5/13/2009
BLANK	Dichlorodifluoromethane	Not detected	1.0	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Ethylbenzene	Not detected	0.6	0.23	ug/L	5/13/2009	5/13/2009
BLANK	Hexachlorobutadiene	Not detected	1.1	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Isopropylbenzene	Not detected	0.5	0.16	ug/L	5/13/2009	5/13/2009
BLANK	m&p-Xylene	Not detected	0.5	0.40	ug/L	5/13/2009	5/13/2009
BLANK	Methylene chloride	Not detected	1.0	0.35	ug/L	5/13/2009	5/13/2009
BLANK	n-Butylbenzene	Not detected	1.1	0.15	ug/L	5/13/2009	5/13/2009
BLANK	n-Propylbenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
BLANK	Naphthalene	Not detected	0.4	0.36	ug/L	5/13/2009	5/13/2009
BLANK	o-Xylene	Not detected	1.1	0.19	ug/L	5/13/2009	5/13/2009
BLANK	p-Isopropyltoluene	Not detected	1.2	0.12	ug/L	5/13/2009	5/13/2009
BLANK	Sec-Butylbenzene	Not detected	1.3	0.12	ug/L	5/13/2009	5/13/2009
BLANK	Styrene	Not detected	0.4	0.25	ug/L	5/13/2009	5/13/2009
BLANK	TCE	Not detected	1.0	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Tert-Butylbenzene	Not detected	1.4	0.13	ug/L	5/13/2009	5/13/2009
BLANK	Tetrachloroethene	Not detected	1.4	0.15	ug/L	5/13/2009	5/13/2009
BLANK	Toluene	Not detected	1.1	0.17	ug/L	5/13/2009	5/13/2009
BLANK	Trans-1,2-DCE	Not detected	0.6	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Trans-1,3-Dichloropropene	Not detected	1.0	0.18	ug/L	5/13/2009	5/13/2009
BLANK	Trichlorofluoromethane	Not detected	0.8	0.24	ug/L	5/13/2009	5/13/2009
BLANK	Vinyl chloride	Not detected	1.1	0.23	ug/L	5/13/2009	5/13/2009
BLANK	Surrogate: 1,2-Dichloroethane-d4 (S)	102	69-139		%	5/13/2009	5/13/2009
BLANK	Surrogate: 4-Bromofluorobenzene (S)	86.3	75-125		%	5/13/2009	5/13/2009
BLANK	Surrogate: Dibromofluoromethane (S)	104	75-125		%	5/13/2009	5/13/2009
BLANK	Surrogate: Toluene-D8 (S)	90.0	75-125		%	5/13/2009	5/13/2009
	•						

Quant Method: N826AW.M Run #: 0513N05 Instrument: Neo Sequence: N090504 Initials: GM

GC SC-Blank-REG MDLs Printed: 5/29/2009 10:40:06 AM

#### Form 2 & 8

#### **Surrogate Recovery**

 Lab Name: APPL, Inc.
 SDG No: 58872

 Case No: 58872
 Date Analyzed: 5/13/2009

 Matrix: WATER
 Instrument: Neo

APPL ID.	Client Sample No.	Surrogate: 1,2-Dichloroethane-d4	Surrogate: 4-Bromofluorobenzene
090513AN-LCS	Lab Control Spike	102	96.1
090513AN-BLK	Blank	102	86.3
AX96655	B3-EXW01	103	89.9

Comments: Batch: \$826AW-090513AN

#### Form 2 & 8

#### **Surrogate Recovery**

 Lab Name: APPL, Inc.
 SDG No: 58872

 Case No: 58872
 Date Analyzed: 5/13/2009

 Matrix: WATER
 Instrument: Neo

APPL ID.	Client Sample No.	Surrogate: Dibromofluoromethane	Surrogate: Toluene-D8 (S)
090513AN-LCS	Lab Control Spike	108	102
090513AN-BLK	Blank	104	90.0
AX96655	B3-EXW01	105	94.3

Comments: Batch: \$826AW-090513AN

APPL ID: 090513W-96655 LCS - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenue.

Clovis, CA 93611

Compound Name	Spike Level	SPK Result	SPK %	Recovery	
	ug/L	ug/L	Recovery	Limits	
1,1,2-Tetrachloroethane	10.00	10.1	101	72-125	
1,1-TCA	10.00	7.80	78.0	75-125	
1,2,2-Tetrachloroethane	10.00	9.34	93.4	74-125	
1,2-TCA	10.00	9.89	98.9	75-127	
1-DCA	10.00	8.66	86.6	75-125	
1-DCE	10.00	7.17	71.7 #	75-125	
1-Dichloropropene	10.00	7.66	76.6	75-125	
2,3-Trichlorobenzene	10.00	9.69	96.9	75-137	
2,3-Trichloropropane	10.00	9.70	97.0	75-125	
2,4-Trichlorobenzene	10.00	9.65	96.5	75-135	
2,4-Trimethylbenzene	10.00	8.79	87.9	75-125	
2-DCA	10.00	8.01	80.1	68-127	
2-DCB	10.00	9.44	94.4	75-125	
2-Dibromo-3-chloropropane	10.00	10.7	107	59-125	
2-Dichloropropane	10.00	8.12	81.2	70-125	
2-EDB	10.00	9.22	92.2	75-125	
3,5-Trimethylbenzene	10.00	9.25	92.5	72-112	
3-DCB	10.00	9.21	92.1	75-125	
3-Dichloropropane	10.00	9.61	96.1	75-125	
4-DCB	10.00	8.96	89.6	75-125	
Chlorohexane	10.00	12.8	128#	75-125	
2-Dichloropropane	10.00	8.79	87.9	75-125	
Chlorotoluene	10.00	9.32	93.2	73-125	
Chlorotoluene	10.00	9.26	92.6	74-125	
enzene	10.00	8.15	81.5	75-125	
romobenzene	10.00	9.09	90.9	75-125	

# = Recovery is outside QC limits.

Comments:

Primary

Quant Method:

Extraction Date:

Analysis Date:

Instrument:

Run:

O513N02

Initials:

SPK

N826AW.M

S713/2009

N826AW.M

N826AW.M

N826AW.M

N826AW.M

N826AW.M

N826AW.M

S713/2009

O513/2009

O513N02

Printed: 5/29/2009 11:24:24 AM
APPL Standard LCS

APPL ID: 090513W-96655 LCS - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenue

Clovis, CA 93611

Compound Name	Spike Level	SPK Result	SPK %	Recovery	
	ug/L	ug/L	Recovery	Limits	
Bromochloromethane	10.00	9.61	96.1	73-125	
Bromodichloromethane	10.00	10.4	104	75-125	
Bromoform .	10.00	10.0	100	75-125	
Bromomethane	10.00	13.6	136 #	72-125	
Carbon tetrachloride	10,00	7.75	77.5	62-125	
Chlorobenzene	10.00	9.46	94.6	75-125	
Chloroethane	10.00	10.1	101	65-125	
Chloroform	10.00	9.59	95.9	74-125	
Chloromethane	10.00	15.0	150 #	75-125	
Dis-1,2-DCE	10.00	8.61	86.1	75-125	
Dis-1,3-Dichloropropene	10.00	8.05	80.5	74-125	
Dibromochloromethane	10.00	9.67	96.7	73-125	
Dibromomethane	10.00	9.48	94.8	69-127	
Dichlorodifluoromethane	10.00	10.0	100	72-125	
Ethylbenzene	10.00	8.86	88.6	75-125	
lexachlorobutadiene	10.00	9.71	97.1	75-125	
sopropylbenzene	10.00	9.31	93.1	75-125	
n&p-Xylene	20.0	17.7.	88.5	75-125	
fethylene chloride	10.00	8.31	83.1	75-125	
-Butylbenzene	10.00	9.44	94.4	75-125	
-Propylbenzene	10.00	9.21	92.1	75-125	
laphthalene	10.00	9.79	97.9	75-125	
-Xylene	10.00	9.30	93.0	75-125	
-lsopropyltoluene	10.00	9.29	92.9	75-125	
ec-Butylbenzene	10.00	9.25	92.5	75-125	
Styrene	10.00	9.85	98.5	75-125	
CE	10.00	8.30	83.0	71-125	
= Recovery is outside QC limits.					

Comment	ts:	

<u>Primary</u>	<u>SPK</u>
Quant Method:	N826AW.M
Extraction Date:	5/13/2009
Analysis Date:	5/13/2009
Instrument :	Neo .
Run:	0513N02
Initials :	GM

Printed: 5/29/2009 11:24:24 AM APPL Standard LCS

APPL ID: 090513W-96655 LCS - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenue

Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits	
Tert-Butylbenzene	10.00	9.20	92.0	75-125	
Tetrachloroethene	10.00	8.33	83.3	71-125	
Toluene	10.00	8.50	85.0	74-125	
Trans-1,2-DCE	10.00	7.21	72.1 #	75-125	·
Trans-1,3-Dichloropropene	10.00	8.21	82.1	66-125	
Trichlorofluoromethane	10.00	10.8	108	67-125	
Vinyl chloride	10.00	12.1	121	46-134	
Surrogate: 1,2-Dichloroethane-d4 (S)	17.2	17.6	102	69-139	
Surrogate: 4-Bromofluorobenzene (S)	21.5	20.7	96.1	75-125	
Surrogate: Dibromofluoromethane (S)	20.3	21.9	108	75-125	
Surrogate: Toluene-D8 (S)	21.4	21.8	102	75-125	

# = Recovery	is outside	QC	limits.
--------------	------------	----	---------

Comments:

 Primary
 SPK

 Quant Method :
 N826AW.M

 Extraction Date :
 5/13/2009

 Analysis Date :
 5/13/2009

 Instrument :
 Neo

 Run :
 0513N02

 Initials :
 GM

Printed: 5/29/2009 11:24:24 AM APPL Standard LCS

#### **EPA 8260B**

#### Form 4

#### **Blank Summary**

Lab Name: APPL, Inc.

SDG No: 58872

Case No: 58872

Date Analyzed: 5/13/2009

Matrix: WATER

Instrument: Neo

Matrix. WATER

----

Blank ID: 090513AN-BLK

Time Analyzed: 1237

APPL ID.	Client Sample No.	File ID.	Date Analyzed
090513AN-LCS	Lab Control Spike	0513N02	5/13/2009 1054
090513AN-BLK	Blank	0513N05	5/13/2009 1237
AX96655	B3-EXW01	0513N06	5/13/2009 1312

Comments: Batch: \$826AW-090513AN

#### Form 5 Tune Summary

 Lab Name:
 APPL Inc.
 SDG No:
 58872

 Case No:
 58872
 Date Analyzed:
 5/13/2009

 Matrix:
 Water
 Instrument:
 Neo

 ID:
 20ug/L BFB Std 2-24-09K
 Time Analyzed:
 10:19

Client Sample No.	APPL ID.	File ID.	Date Analyzed
1 Lab Control Spike	090513A LCS-1WN	0513N02W.D	5/13/2009 10:54
2 Blank	090513A BLK-1WN	0513N05W.D	5/13/2009 12:37
3 B3-EXW01	AX96655W01	0513N06W.D	5/13/2009 13:12
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			,
15			
16			
17			
18			
19			
20			
21			
22			

m/e	
50 15 - 40% of mass 95	31.6
75 30 - 60% of mass 95	51.0
95 100 - 100% of mass 95	100.0
96 5 - 9% of mass 95	6.6
173 0 - 2% of mass 174	0.0
174 50 - 100% of mass 95	89.4
175 5 - 9% of mass 174	8.7
176 95 - 101% of mass 174	97.6
177 5 - 9% of mass 176	7.1

#### 8A INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc.		Contract: <u>W9126G07D00</u> 28001
Lab Code:	. 1	SDG No.: 58872
Lab File ID (Standard): 0504N07W.D		Date Analyzed: 4 May 09 22:10
Instrument ID: Neo		Time Analyzed: 4 May 09 22:10
GC Column:	ID:	Heated Purge: (Y/N)

	F	luorobenzene (IS)	Chlo	robenzene-D5 (	IS) 1.4-Dich	nlorobenzene-D	) (IS)
		AREA #	RT #			AREA #	RT #
	12 HOUR STD	196800	9.18	147072	14.20	86040	18.27
	UPPER LIMIT	393600	9.68	294144	14.70	172080	18.77
	LOWER LIMIT	98400	8.68	73536	13.70	43020	17.77
	SAMPLE						
	NO.						
01	090513A LCS-1WN	224912	9.19	179968	14.20	108936	18.27
	090513A BLK-1WN	203595	9.19	170112	14.20	83136	18.28
	AX96655W01	192944	9.19	160896	14.20	87752	18.28
04	,						
05		_					·
06							
07		<del> </del>				<u> </u>	
08							
09 10		<del>                                     </del>					
11		_				·	
12							
13			·				
14	<u> </u>						
15		†					-
16							
17							
18	<del></del>						
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = -50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

#### EPA METHOD 8260B Volatile Organic Compounds Sample Data



#### EPA 8260B - AFCEE 3.0 (Water)

Parsons Engineering Science, Inc.

8000 Centre Park Drive Ste 200

Austin, TX 78754

Attn: Tammy Chang

Project: 746546.02000 CSSA

Sample ID: B3-EXW01

Sample Collection Date: 5/12/2009

APPL Inc.

908 North Temperance Avenue

Clovis, CA 93611

ARF: 58872

APPL ID: AX96655

QCG: \$826AW-090513AN-132731

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-Tetrachloroethane	Not detected	0.5	0.13	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,1,1-TCA	Not detected	8.0	0.14	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,1,2,2-Tetrachloroethane	Not detected	0.4	0.10	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,1,2-TCA	Not detected	1.0	0.20	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,1-DCA	Not detected	0.4	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,1-DCE	Not detected	1.2	0.30	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,1-Dichloropropene	Not detected	1.0	0.20	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2,3-Trichlorobenzene	Not detected	0.3	0.29	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2,3-Trichloropropane	Not detected	3.2	0.39	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2,4-Trichlorobenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2,4-Trimethylbenzene	Not detected	1.3	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2-DCA	Not detected	0.6	0.14	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2-DCB	Not detected	0.3	0.17	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2-Dibromo-3-chloropropane	Not detected	2.6	0.76	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2-Dichloropropane	Not detected	0.4	0.17	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,2-EDB	Not detected	0.6	0.20	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,3,5-Trimethylbenzene	Not detected	0.5	0.12	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,3-DCB	Not detected	1.2	0.11	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,3-Dichloropropane	Not detected	0.4	0.17	ug/L	5/13/2009	5/13/2009
EPA 8260B	1,4-DCB	0.25 J	0.3	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	1-Chlorohexane	Not detected	0.5	0.17	ug/L	5/13/2009	5/13/2009
EPA 8260B	2,2-Dichloropropane	Not detected	3.5	0.22	ug/L	5/13/2009	5/13/2009
EPA 8260B	2-Chlorotoluene	Not detected	0.4	0.14	ug/L	5/13/2009	5/13/2009
EPA 8260B	4-Chlorotoluene	Not detected	0.6	0.13	ug/L	5/13/2009	5/13/2009
EPA 8260B	Benzene	Not detected	0.4	0.16	ug/L	5/13/2009	5/13/2009
EPA 8260B	Bromobenzene	Not detected	0.3	0.16	ug/L	5/13/2009	5/13/2009
EPA 8260B	Bromochloromethane	Not detected	0.4	0.15	ug/L	5/13/2009	5/13/2009
EPA 8260B	Bromodichloromethane	Not detected	8.0	0.14	ug/L	5/13/2009	5/13/2009
EPA 8260B	Bromoform	Not detected	1.2	0.14	ug/L	5/13/2009	5/13/2009
EPA 8260B	Bromomethane	Not detected	1.1	0.24	ug/L	5/13/2009	5/13/2009
EPA 8260B	Carbon tetrachloride	Not detected	2.1	0.10	ug/L	5/13/2009	5/13/2009
EPA 8260B	Chlorobenzene	0.32 J	0.4	0.21	ug/L	5/13/2009	5/13/2009
EPA 8260B	Chloroethane	Not detected	1.0	0.21	ug/L	5/13/2009	5/13/2009
EPA 8260B	Chloroform	Not detected	0.3	0.07	ug/L	5/13/2009	5/13/2009
EPA 8260B	Chloromethane	Not detected	1.3	0.31	ug/L	5/13/2009	5/13/2009
EPA 8260B	Cis-1,2-DCE	160	1.2	0.16	ug/L	5/13/2009	5/13/2009
EPA 8260B	Cis-1,3-Dichloropropene	Not detected	1.0	0.15	ug/L	5/13/2009	5/13/2009

J = Estimated value.

Quant Method: N826AW.M
Run #: 0513N06
Instrument: Neo
Sequence: N090504
Dilution Factor: 1
Initials: GM

Printed: 5/29/2009 10:40:40 AM APPL-F1-SC-MCRes/MCPQL-REG MDLs

#### **EPA 8260B - AFCEE 3.0 (Water)**

Parsons Engineering Science, Inc.

8000 Centre Park Drive Ste 200

Austin, TX 78754

908 North Temperance Avenue

Clovis, CA 93611

Attn: Tammy Chang

Project: 746546.02000 CSSA

Sample ID: B3-EXW01

Sample Collection Date: 5/12/2009

ARF: 58872

APPL Inc.

.....

APPL ID: AX96655

QCG: \$826AW-090513AN-132731

Method	Analysis	Donulá	PQL	MDL	l lmita	Extraction Date	Analysis Date
	Analyte	Result	<del></del>	<del></del>	Units		
EPA 8260B	Dibromochloromethane	Not detected	0.5	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	Dibromomethane	Not detected	2.4	0.20	ug/L	5/13/2009	5/13/2009
EPA 8260B	Dichlorodifluoromethane	Not detected	1.0	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	Ethylbenzene	Not detected	0.6	0.23	ug/L	5/13/2009	5/13/2009
EPA 8260B	Hexachlorobutadiene	Not detected	1.1	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	Isopropylbenzene	Not detected	0.5	0.16	ug/L	5/13/2009	5/13/2009
EPA 8260B	m&p-Xylene	Not detected	0.5	0.40	ug/L	5/13/2009	5/13/2009
EPA 8260B	Methylene chloride	Not detected	1.0	0.35	ug/L	5/13/2009	5/13/2009
EPA 8260B	n-Butylbenzene	Not detected	1.1	0.15	ug/L	5/13/2009	5/13/2009
EPA 8260B	n-Propylbenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
EPA 8260B	Naphthalene	Not detected	0.4	0.36	ug/L	5/13/2009	5/13/2009
EPA 8260B	o-Xylene	Not detected	1.1	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	p-Isopropyltoluene	Not detected	1.2	0.12	ug/L	5/13/2009	5/13/2009
EPA 8260B	Sec-Butylbenzene	Not detected	1.3	0.12	ug/L	5/13/2009	5/13/2009
EPA 8260B	Styrene	Not detected	0.4	0.25	ug/L	5/13/2009	5/13/2009
EPA 8260B	TCE	8.3	1.0	0.16	ug/L	5/13/2009	5/13/2009
EPA 8260B	Tert-Butylbenzene	Not detected	1.4	0.13	ug/L	5/13/2009	5/13/2009
EPA 8260B	Tetrachloroethene	5.8	1.4	0.15	ug/L	5/13/2009	5/13/2009
EPA 8260B	Toluene	. 78	1.1	0.17	ug/L	5/13/2009	5/13/2009
EPA 8260B	Trans-1,2-DCE	4.5	0.6	0.19	ug/L	5/13/2009	5/13/2009
EPA 8260B	Trans-1,3-Dichloropropene	Not detected	1.0	0.18	ug/L	5/13/2009	5/13/2009
EPA 8260B	Trichlorofluoromethane	Not detected	8.0	0.24	ug/L	5/13/2009	5/13/2009
EPA 8260B	Vinyl chloride	34	1.1	0.23	ug/L	5/13/2009	5/13/2009
EPA 8260B	Surrogate: 1,2-Dichloroethane-d4 (S)	103	69-139		%	5/13/2009	5/13/2009
EPA 8260B	Surrogate: 4-Bromofluorobenzene (S)	89.9	75-125		%	5/13/2009	5/13/2009
EPA 8260B	Surrogate: Dibromofluoromethane (S)	105	75-125		%	5/13/2009	5/13/2009
EPA 8260B	Surrogate: Toluene-D8 (S)	94.3	75-125		%	5/13/2009	5/13/2009

J = Estimated value.

Quant Method: N826AW.M Run #: 0513N06

Instrument: Neo
Sequence: N090504

Dilution Factor: 1 Initials: GM

Printed: 5/29/2009 10:40:40 AM
APPL-F1-SC-MCRes/MCPQL-REG MDLs

#### EPA METHOD 8260B Volatile Organic Compounds Calibration Data



Form 6 Initial Calibration

0504N09W.D | SDG No: 58872 | SDG No: 58872 | Initial Cal. Date: 5/4/2009 | Instrument: Neo | OSGANOSW.D | O Lab Name: APPL, Inc. Case No: Matrix:

Initials:

Compound	0.890	0.999		
Formgound   Fig. 20	TM TM	TM**L	TM	
Compound	13	9.5 26 20	9.5	%RSD
Compound	0.18	0.64	0.44	Avg
TMM**L Cincromethane         0.3749         0.1749         0.6879         0.3357         0.3277         0.4405         0.6819           TM         Dictoromethane         0.9749         0.7749         0.6879         0.5330         0.5212         0.4962         0.5718           TM**L Cincromethane         0.9749         0.7749         0.6879         0.5330         0.5212         0.4962         0.5718           TM**L Cincromethane         0.9749         0.7749         0.6879         0.1379         0.4965         0.5718           TM         Cincromethane         0.1533         0.1716         0.0494         0.0549         0.1697           TM         Cincromethane         0.2264         0.1800         0.1177         0.1758         0.1516         0.0494           TM         Traboroflucromethane         0.2264         0.1800         0.2176         0.0494         0.0694         0.0694           TM         Traboroflucromethane         0.278         0.144         1.876         1.649         1.651         1.44         1.876         1.649         0.1794         0.0697           TM         Cincromethane         0.180         0.170         0.0494         0.0697         0.0697         0.0697         0.0697<				
TMM**1 Chloromethane         0.33         0.5         1         5         10         40         100           TM         Dictoromethane (IS)         ISTD         0.4255         0.3357         0.3327         0.4405         0.5718           TM         Dictoromethane         0.9749         0.7749         0.6879         0.5212         0.4962         0.5718           TM         Undoroethane         0.9749         0.7749         0.6879         0.3212         0.4962         0.5718           TM         Chloroethane         0.9753         0.1716         0.0494         0.0549         0.1697         0.1768         0.0494         0.0694 <t< td=""><td></td><td></td><td></td><td></td></t<>				
Interpretation (S)         (1.5)         1.6         4.0         4.0           I Fluorobenzene (IS)         ISTD         0.4255         0.4255         0.5327         0.4056           TM Fluorobenzene (IS)         ISTD         0.4105         0.4255         0.5212         0.4962           TMV-L Chloromethane         0.9749         0.7749         0.6877         0.5328         0.3139         0.2755           TM Viny chloride         0.9749         0.7410         0.3429         0.5228         0.3139         0.2756           TM Liborechtane         0.2284         0.1806         0.1816         0.0441         0.0494         0.0494           TM Liborechtane         0.2284         0.1806         0.2480         0.2410         0.2456         0.1804           TM Liborechtane         0.0284         0.1806         0.2480         0.2410         0.2456         0.1804           TM Liborechtane         0.0284         1.1406         1.056         0.0323         0.0168         0.0431           TM Liborechtane         1.140         1.141         0.7896         0.0324         0.1066         0.0320         0.0168           TM Liborechtane         1.140         1.140         1.141         1.066         1.067<	0.1800	0.5484	0.4644	200
Incompound         Compound         0.3         0.5         1         5         10           Includebracene (IS)         ISTD         0.4958         0.4255         0.3927         0.3927           TM         Dictioncodifuoromethane         0.8749         0.7749         0.6819         0.5330         0.5212           TM         Vinny chloride         0.4110         0.3429         0.3228         0.3139           TM         Inforcethane         0.2784         0.1800         0.0847         0.1286           TM         Inforcethane         0.2284         0.1800         0.2410         0.2345           TM         Inforcethane         0.2796         0.2480         0.2410         0.2345           TM         Inforcethane         0.2796         0.2480         0.2345         0.7386           TM         Inforcethane         0.2796         0.2480         0.2345         0.7386           TM         Inforcethane         0.2796         0.2480         0.2345         0.7386           TM         Inforcethane         0.1874         1.080         1.387         1.734           IM         Controchancethane         0.1886         0.3305         0.4637         0.4637 <t< td=""><td>0.1697</td><td>0.5718</td><td>0.4916</td><td>100</td></t<>	0.1697	0.5718	0.4916	100
Fluorobenzene (IS)   ISTD   0.4958   0.4255   0.3957   1   Pluorobenzene (IS)   ISTD   0.4958   0.4255   0.3957   1   Pluorobenzene (IS)   ISTD   0.4958   0.4255   0.3957   1   Pluoromethane   0.9749   0.7749   0.6879   0.5228   0.3228   1   Pluoromethane   0.9749   0.7749   0.6879   0.5228   1   Pluoromethane   0.7749   0.4100   0.3429   0.5228   1   Pluoromethane   0.7749   0.7749   0.7800   0.1877   1   Pluoromethane   0.7296   0.2480   0.7279   0.72796   0.2480   0.2410   0.7279   0.72796   0.2480   0.2410   0.7279   0.72796   0.2480   0.2410   0.7279   0.72796   0.2480   0.2410   0.7279   0.7	0.1516	0.4962	0.4405	40
Fluorobenzene (iS)   ISTD   0.4956   0.4255   1     TM Dichlorodifluoromethane   0.9749   0.7749   0.6879   0.7749   0.6879   0.7749   0.6879   0.7749   0.6879   0.7749   0.6879   0.7749   0.6879   0.7749   0.6879   0.7749   0.7749   0.6879   0.7749   0	0.1758	0.5212	0.3927	10
Compound         0.3         0.5           I         Fluorobenzene (IS)         ISTD         0.4958           TM         Dichlorodifluoromethane         0.9749         0.7749           TM*         Vinyl chloride         0.1533           TM         Chlorocethane         0.2264           TM         Trichlorofluoromethane         0.2264           TM         Trichlorofluoromethane         0.2796           TM         Trichlorofluoromethane         1.561           TM         Trichlorofluoromethane         1.080           TM         Chloroform         1.33           TM         Chloroform         1.261           TM         Chloroform         1.335           TM         Chloroform         1.261           TM         1.1-DCA         1.240           TM         Chloroform         1.335           TM         Chloroform         1.261           S         Dibromofluoromethane(S)         1.140           S         1.2-DCA         1.321           TM         TCE         1.341           TM         1.2-DCA         1.341           TM         1.2-DCA         1.321           TM	0.1877	0.5330	0.3957	2
Fluorobenzene (IS)   ISTD     TM	0.1800	0.6879	0.4255	- 1
Compound  I Fluorobenzene (IS)  TM Dichlorodifluoromethane  TM**L Chloromethane  TM Chloromethane  TM Chloroethane  TM Chloroethane  TM Chloroethane  TM Trichlorofluoromethane  TM Trichlorofluoromethane  TM Trichloropropane  TM Cis-1,2-DCE  TMC 2,2-Dichloropropane  TM Cis-1,2-DCE  TMC 2,2-Dichloropropane  TM Chloroform  TM Chloroform  TM Chloroform  TM Garbon Tetrachloride  TM 1,1-DCA  TM 1,1-DCA  TM Carbon Tetrachloride  TM 1,2-DCA-D4(S)  TM Carbon Tetrachloride  TM 1,2-DCA-D4(S)  TM Carbon Tetrachloride  TM 1,2-Dichloropropane  TM TCE  TM Dibromomethane  TM Dibromomethane  TM Tollene	0.2264	0.7749	0.4958	0.5
- HAT THE THE THE TWO WITH THE		0.9749	ISTD	0.3
<del>}                                    </del>	$\overline{}$	Chloromethane Vinyl chloride	Fluorobenzene (IS) Dichlorodifluoromethane	Compound
333333333333333333333333333333333333333	╂╌╂╼╂	$\neg$	$\neg \neg$	

Form 6 Initial Calibration

Lab Name: APPL, inc. Case No: Matrix:

SDG No: 58872 Initial Cal. Date: 5/4/2009 Instrument: Neo

Initials:

							0.999																												
	MT	MT	MT	ΙMΤ	S	MT	TML	TM**	TM*	TM**		MT	TM**	MΤ	MT	TM	MT	ΜĻ	MT	WL	MT	TM	WL	ΔL	TM	TM	MT	ΨL	TM	TM	MT	MΤ			
%RSD	5.4	7.3	6.3	13	6.3	9.9	20	4.4	5.0	15		5.7	4.5	9.7	3.1	5.9	4.0	9.7	5.7	3.1	2.7	9.9	9.1	4.4	4.0	3.7	4.2	12	3.0	2.6	5.7	4.6			
Avg	1.2	2.0	1.9	3.3	1.5	1.3	0.93	3.2	5.4	0.38		7.2	1.7	0.38	2.5	10	7.4	6.8	6.8	9.9	7.3	0.6	7.2	4.4	4.5	7.1	3.9	0.25	2.8	1.6	4.1	2.4			
200	1.269	2.224	2.175	4.041		1.117	1.040	3.469	5.891	0.4300		7.663	1.633	0.3572	2.478	10.7	7.734	7.511	7.236	6.851	7.552	908.6	8.157	4.682	4.608	7.386	3.973	0.2431	2.894	1.616	4.334	2.517			
100	1.244	2.061	1.954	3.497		1.302	1.098	3.045	5.550	0.4186		7.705	1.711	0.3796	2.526	10.5	7.589	7.294	7.035	6.653	7.131	9.551	7.690	4.413	4.379	7.250	3.901	0.2521	2.777	1.661	4.362	2.561			
40	1.245	2.043	2.015	3.566	1.578	1.214	1.068	3.201	5.481	0.4171		7.325	1.719	0.3930	2.416	9.922	7.233	6.816	902'9	6.693	7.240	9.063	7.409	4.346	4.418	7.104	3.859	0.2552	2.850	1.654	4.395	2.469			
10	1.193	1.865	1.896	3.226	1.462	1,355	1.040	3.076	5.025	0.3558		7.178	1,747	0.4125	2.447	6.803	7.121	6.734	999'9	6.375	7.014	8.531	7.027	4.448	4.179	9.575	3.872	0.2618	2.824	1.572	4.100	2.403			
2	1.191	1.915	1.846	3.151	1.327	1.327	0.9545	3.194	5.199	0.3488		7.261	1.855	0.4097	2.635	10.1	7.448	6.994	7.159	6.815	7.441	9.059	7.449	4.490	4.497	7.108	4.027	0.2765	2.864	1.671	4.165	2.571			
-	1.085	1.808	1.822	2.837	1.449	1.190	0.6949	3.089	5.238	0.2877		6.587	1.683	0.3600	2.430	8.821	6.950	692.9	6.496	6.497	7.174	8.385	6.480	4.184	4.260	6.928	3.798	0.2411	2.670	1.641	3.726	2.401			
0.5	1.145	1.901	1.870	2.955	1.505	1.323	0.6433	3.051	5.291			6.695	1.716	0.3354	2.511	10.2	7.766	6.223	6.844	6.289	7.457	8.259	6.323	4.102	4.588	7.052	4.025	0.1856	2.672	1.708	3.969	2.237			,
0.3				2.803		1.219		3.156	5.560		ISTD	7.004	1.858		2.592	10.5	7.265	5.938	6.068	6.679					4.685		3.522		2.777	]	3.965	2.373			
Compound	1,1,1,2-Tetrachloroethane	m&p-Xylene	o-Xylene	Styrene		1,3-Dichloropropane		Chlorobenzene	Ethylbenzene	Bromoform	1,4-Dichlorobenzene-D (IS)			1,2,3-Trichloropropane	Bromobenzene	n-Propyibenzene	2-Chtorotoluene	1,3,5-Trimethylbenzene	4-Chlorotoluene	Tert-Butylbenzene	1,2,4-Trimethylbenzene	Sec-Butylbenzene	p-Isopropyltoluene	1,3-DCB	1,4-DCB	n-Butylbenzene		1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	Hexachlorobutadiene	Naphthalene	1,2,3-Trichlorobenzene			
-	36 TM	Н	Ц	39 TM	40 S	41 TM	42   TML	43 TM**	44 TM*	45   TM**	46 1	_	48 TM**	49 TM	-	Н		$\Box$	4	55 TM	56 TM	57 TM	58 TM	59 TM	60 TM	61 TM		63 TM	64 TM	П	66 TM	67 TM	89	69	70

## Form 7 Second Source Calibration

Lab Name: APPL, Inc.	SDG No: 58872
Case No:	Date Analyzed: 5 May 09 13:32
Matrix:	Instrument: Neo
	Initial Cal. Date: 5/4/2009
	Data File: 0505N02W D

		Compound	MEAN	CCRF	%D		%Drift
1		Fluorobenzene (IS)	ISTD			1	
2	TM	Dichlorodifluoromethane	0.4437	0.4361	1.7	TM	
3	TM**L	Chloromethane	0.6385	0.4187	34	TM**L	22
4	TM*	Vinyl chloride	0.3079	0.3025	1.8	TM*	
. 5	TML	Bromomethane	0.0819	0.0547	33	TML	15
6	TM	Chloroethane	0.1816	0.1741	4.1	TM	
7	TM	Trichlorofluoromethane	0.2493	0.2427	2.6	TM	
8	TM*	1,1-DCE	1.788	1.747	2.3	TM*	
9	TML	Methylene Chloride	1.156	0.9865	15	TML	1.8
10	TML	Trans-1,2-DCE	0.8291	0.7846	5.4	TML	0.19
11	TM**	1,1-DCA	1.963	1.926	1.9	TM**	
12	TM	Cis-1,2-DCE	0.9975	0.9479	5.0	TM	
		2,2-Dichloropropane	0.0321	0.0054	83	TMQ	16
	TM*	Chloroform	1.823	1.764	3.2	TM*	
	TM	Bromochloromethane	0.4636	0.5062	9.2	тм	
16		Dibromofluoromethane(S)	1.082	1.110	2.6	S	
17	TML	1,1,1-TCA	1.115	1.096	1.7	TML	12
18	TM	1,1-Dichloropropene	1.221	1.196	2.0	ТМ	
19		1,2-DCA-D4(S)	1.087	1.147	5.5	s	
		Carbon Tetrachloride	0.4345	0.4702	8.2	TMQ	11
	TM	1,2-DCA	1.374	1.259	8.4	ТМ	
22	TM	Benzene	3.553	3.346	5.8	ТМ	
	TM	TCE	0.9245	0.9035	2.3	TM	
	TM*	1,2-Dichloropropane	0.3390	0.3412	0.64	TM*	
25	TM	Bromodichloromethane	1.116	1.174	5.2	ТМ	
	TM	Dibromomethane	0.3486	0.3984	14	ТМ	
		Cis-1,3-Dichloropropene	0.6098	0.6320	3.7	TMQ	11
	TM*	Toluene	1.323	1.273	3.7	TM*	
29	TMQ	Trans-1,3-Dichloropropene	0.3645	0.3361	7.8	TMQ	17
	TM	1,1,2-TCA	0.6052	0.5956	1.6	тм	
31	i	Chlorobenzene-D5 (IS)	ISTD			1	
32	S	Toluene-D8(S)	3.951	3.703	6.3	s	
33	TM	1,2-EDB	0.8196	0.7563	7.7	ТМ	
	TM	Tetrachloroethene	1.141	0.9800	14	ТМ	
	TM	1-Chlorohexane	1.320	1.166	12	ТМ	
	TM	1,1,1,2-Tetrachloroethane	1.196	1.100	8.0	ТМ	
	TM	m&p-Xylene	1.974	1.670	15	ТМ	
	TM	o-Xylene	1.940	1.711	12	TM	
	TM	Styrene	3.260	2.936	9.9	ТМ	
40		4-Bromofluorobenzene(S)	1.464	1.344	8.2	s	

Average 9.7

### Form 7 Second Source Calibration

Lab Name: APPL, Inc.	SDG No: 58872
Case No:	Date Analyzed: 5 May 09 13:32
Matrix: 0	Instrument: Neo
	Cal. Date: 5/4/2009
	Data File: 0505N02W.D

		Compound	MEAN	CCRF	%D	-	%Drift
41	TM	1,3-Dichloropropane	1.256	1.175	6.5	ТМ	
	TML	Dibromochloromethane	0.9340	0.9478	1.5	TML	13
	TM**	Chlorobenzene	3.160	2.757	13	TM**	
	TM*	Ethylbenzene	5.404	4.877	9.8	TM*	
	TM**	Bromoform	0.3763	0.3446	8.4	TM**	
46	1	1,4-Dichlorobenzene-D (IS)	ISTD				
47	TM	Isopropylbenzene	7.177	7.081	1.3	TM	
48	TM**	1,1,2,2-Tetrachloroethane	1.740	1.682	3.4	TM**	
49	TM	1,2,3-Trichloropropane	0.3782	0.4023	6.4	TM	
50	TM	Bromobenzene	2.504	2.452	2.1	TM	
51	TM	n-Propylbenzene	10.1	9.950	1.2	TM	
52	TM	2-Chlorotoluene	7.388	7.149	3.2	TM	
53	TM	1,3,5-Trimethylbenzene	6.785	6.402	5.6	ТМ	
54	TM	4-Chlorotoluene	6.776	6.628	2.2	ТМ	
55	TM	Tert-Butylbenzene	6.606	6.273	5.0	TM	
56	TM	1,2,4-Trimethylbenzene	7.287	6.870	5.7	TM	
57	TM	Sec-Butylbenzene	8.951	8.585	4.1	TM	
	TM	p-Isopropyltoluene	7.219	6.863	4.9	ТМ	
59	TM	1,3-DCB	4.381	4.156	5.1	ТМ	
60	TM	1,4-DCB	4.452	4.170	6.3	TM	
	TM	n-Butylbenzene	7.058	6.883	2.5	ТМ	
62	TM	1,2-DCB	3.872	3.786	2.2	ТМ	
63	TM	1,2-Dibromo-3-chloropropane	0.2450	0.2520	2.8	TM	
	TM	1,2,4-Trichlorobenzene	2.791	2.656	4.9	TM	
	TM	Hexachlorobutadiene	1.646	1.574	4.4	TM	
	TM	Naphthalene	4.127	4.093	0.83	TM	
	TM	1,2,3-Trichlorobenzene	2.442	2.484	1.7	TM	
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Average 4.4

## Form 7 Continuing Calibration

Lab Name: APPL, Inc.	SDG No: 58872
Case No:	Date Analyzed: 5/13/2009
Matrix:	Instrument: Neo
	Initial Cal. Date: 5/4/2009
·	Data File: 0513N01W.D

		Compound	MEAN	CCRF	%D		%Drift
1		Fluorobenzene (IS)	ISTD				
	TM	Dichlorodifluoromethane	0.4437	0.4000	9.8	TM	
3	TM**L	Chloromethane	0.6385	0.6735	5.5	TM**L	24
4	TM*	Vinyl chloride	0.3079	0.3514	14	TM*	
	TML	Bromomethane	0.0819	0.0556	32	TML	16
	TM	Chloroethane	0.1816	0.1792	1.3	TM	
	TM	Trichlorofluoromethane	0.2493	0.2425	2.7	TM	
8	TM*	1,1-DCE	1.788	1.377	23	TM*	
9	TML	Methylene Chloride	1.156	0.8012	31:	TML	15
	TML	Trans-1,2-DCE	0.8291	0.5946	28	TML	25
11	TM**	1,1-DCA	1.963	1.781	9.3	TM**	
	TM	Cis-1,2-DCE	0.9975	0.8707	13	TM	
13	TMQ	2,2-Dichloropropane	0.0321	0.0024	93	TMQ	22
14	TM*	Chloroform	1.823	1.792	1.7	TM*	
15	TM	Bromochloromethane	0.4636	0.4193	9.5	ТМ	
16	S	Dibromofluoromethane(S)	1.082	1.242	15	s	
	TML	1,1,1-TCA	1.115	0.9851	12	TML	20
	TM	1,1-Dichloropropene	1,221	0.9908	19	ТМ	
19		1,2-DCA-D4(S)	1.087	1.158	6.6	s	
	TMQ	Carbon Tetrachloride	0.4345	0.3933	9.5	TMQ	23
	TM	1,2-DCA	1,374	1.072	22	TM	
	TM	Benzene	3.553	3.077	13	ТМ	
	TM	TCE	0.9245	0.8252	11	ТМ	
	TM*	1,2-Dichloropropane	0.3390	0.2702	20	TM*	
	TM	Bromodichloromethane	1.116	1.199	7.4	ТМ	
	TM	Dibromomethane	0.3486	0.3213	7.8	ТМ	
		Cis-1,3-Dichloropropene	0.6098	0.4450	27	TMQ	30
	TM*	Toluene	1.323	1.165	12	TM*	
		Trans-1,3-Dichloropropene	0.3645	0.2273	38	TMQ	31
	TM	1,1,2-TCA	0.6052	0.5673	6.3	TM	
	ī	Chlorobenzene-D5 (IS)	ISTD			1	$\neg \neg$
32	S	Toluene-D8(S)	3.951	4.312	9.1	s	
	TM	1.2-EDB	0.8196	0.6694	18	TM	
	TM	Tetrachloroethene	1,141	0.9989	12	TM	
	TM	1-Chlorohexane	1.320	1.753	33	TM	
	TM	1,1,1,2-Tetrachloroethane	1.196	1.105	7.6	ТМ	
	TM	m&p-Xylene	1.974	1.845	6.5	TM	
	TM	o-Xylene	1.940	1.855	4.4	ТМ	
	TM	Styrene	3.260	3.243	0.50	ТМ	
	S	4-Bromofluorobenzene(S)	1.464	1.441	1.6	s	

Average 15.6

## Form 7 Continuing Calibration

Lab Name: APPL, Inc.	SDG No: 58872
Case No:	Date Analyzed: 5/13/2009
Matrix: 0	Instrument: Neo
	Cal. Date: 5/4/2009
	Data File: 0513N01W.D

		Compound	MEAN	CCRF	%D	<del></del>	%Drift
41	ТМ	1,3-Dichloropropane	1.256	1.078	14	ТМ	7051111
	TML	Dibromochloromethane	0.9340	0.9177	1.8	TML	16
	TM**	Chlorobenzene	3.160	2.853	9.7	TM**	
	TM*	Ethylbenzene	5.404	4.878	9.7	TM*	
	TM**	Bromoform	0.3763	0.3497	7.1	TM**	
46		1,4-Dichlorobenzene-D (IS)	ISTD			1	-
	TM	Isopropylbenzene	7.177	7.276	1.4	ТМ	
	TM**	1,1,2,2-Tetrachloroethane	1.740	1.448	17	TM**	
	TM	1,2,3-Trichloropropane	0.3782	0.3195	16	ТМ	
	TM	Bromobenzene	2.504	2.392	4.5	ТМ	
	ТМ	n-Propylbenzene	10.1	9.973	0.92	ТМ	
52	TM	2-Chlorotoluene	7.388	7.323	0.88	ТМ	
53	TM	1,3,5-Trimethylbenzene	6.785	6.799	0.20	ТМ	
54	TM	4-Chlorotoluene	6.776	6.756	0.29	ТМ	
55	TM	Tert-Butylbenzene	6.606	6.500	1.6	ТМ	
56	TM	1,2,4-Trimethylbenzene	7.287	7.170	1.6	ТМ	
57	TM	Sec-Butylbenzene	8.951	8.910	0.45	ТМ	
58	TM	p-Isopropyltoluene	7.219	7.512	4.1	ТМ	
59	TM	1,3-DCB	4.381	4.335	1.0	ТМ	
60	TM	1,4-DCB	4.452	4.165	6.4	ТМ	
61	TM	n-Butylbenzene	7.058	7.236	2.5	TM	
62	TM	1,2-DCB	3.872	3.589	7.3	TM	
	TM	1,2-Dibromo-3-chloropropane	0.2450	0.2329	4.9	ТМ	
	TM	1,2,4-Trichlorobenzene	2.791	2.664	4.5	ТМ	
	ТМ	Hexachlorobutadiene	1.646	1.754	6.5	ТМ	
	TM	Naphthalene	4.127	3.800	7.9	ТМ	
67	TM	1,2,3-Trichlorobenzene	2.442	2.160	12	ТМ	
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Average 5.5

# EPA METHOD 8260B Volatile Organic Compounds Raw Data



#### Method Blank EPA 8260B - AFCEE 3.0 (Water)

APPL Inc.

908 North Temperance Avenu

Clovis, CA 93611

Blank Name/QCG: 090513W-96655 - 132731

Batch ID: \$826AW-090513AN

						·	
Sample T	ype Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	1,1,1,2-Tetrachloroethane	Not detected	0.5	0.13	ug/L	5/13/2009	5/13/2009
BLANK	1,1,1-TCA	Not detected	0.8	0.14	ug/L	5/13/2009	5/13/2009
BLANK	1,1,2,2-Tetrachloroethane	Not detected	0.4	0.10	ug/L	5/13/2009	5/13/2009
BLANK	1,1,2-TCA	Not detected	1.0	0.20	ug/L	5/13/2009	5/13/2009
BLANK	1,1-DCA	Not detected	0.4	0.19	ug/L	5/13/2009	5/13/2009
BLANK	1,1-DCE	Not detected	1.2	0.30	ug/L	5/13/2009	5/13/2009
BLANK	1,1-Dichloropropene	Not detected	1.0	0.20	ug/L	5/13/2009	5/13/2009
BLANK	1,2,3-Trichlorobenzene	Not detected	0.3	0.29	ug/L	5/13/2009	5/13/2009
BLANK	1,2,3-Trichloropropane	Not detected	3.2	0.39	ug/L	5/13/2009	5/13/2009
BLANK	1,2,4-Trichlorobenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
BLANK	1,2,4-Trimethylbenzene	Not detected	1.3	0.19	ug/L	5/13/2009	5/13/2009
BLANK	1,2-DCA	Not detected	0.6	0.14	ug/L	5/13/2009	5/13/2009
BLANK	1,2-DCB	Not detected	0.3	0.17	ug/L	5/13/2009	5/13/2009
BLANK	1,2-Dibromo-3-chloropropane	Not detected	2.6	0.76	ug/L	5/13/2009	5/13/2009
BLANK	1,2-Dichloropropane	Not detected	0.4	0.17	ug/L	5/13/2009	5/13/2009
BLANK	1,2-EDB	Not detected	0.6	0.20	ug/L	5/13/2009	5/13/2009
BLANK	1,3,5-Trimethylbenzene	Not detected	0.5	0.12	ug/L	5/13/2009	5/13/2009
BLANK	1,3-DCB	Not detected	1.2	0.11	ug/L	5/13/2009	5/13/2009
BLANK	1,3-Dichloropropane	Not detected	0.4	0.17	ug/L	5/13/2009	5/13/2009
BLANK	1,4-DCB	Not detected	0.3	0.19	ug/L	5/13/2009	5/13/2009
BLANK	1-Chlorohexane	Not detected	0.5	0.17	ug/L	5/13/2009	5/13/2009
BLANK	2,2-Dichloropropane	Not detected	3.5	0.22	ug/L	5/13/2009	5/13/2009
BLANK	2-Chiorotoluene	Not detected	0.4	0.14	ug/L	5/13/2009	5/13/2009
BLANK	4-Chlorotoluene	Not detected	0.6	0.13	ug/L	5/13/2009	5/13/2009
BLANK	Benzene	Not detected	0.4	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Bromobenzene	Not detected	0.3	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Bromochloromethane	Not detected	0.4	0.15	ug/L	5/13/2009	5/13/2009
BLANK	Bromodichloromethane	Not detected	0.8	0.14	ug/L	5/13/2009	5/13/2009
BLANK	Bromoform	Not detected	1.2	0.14	ug/L	5/13/2009	5/13/2009
BLANK	Bromomethane	Not detected	1.1	0.24	ug/L	5/13/2009	5/13/2009
BLANK	Carbon tetrachloride	Not detected	2.1	0.10	ug/L	5/13/2009	5/13/2009
BLANK	Chlorobenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
BLANK	Chloroethane	Not detected	1.0	0.21	ug/L	5/13/2009	5/13/2009
BLANK	Chloroform	Not detected	0.3	0.07	ug/L	5/13/2009	5/13/2009

Quant Method: N826AW.M Run #: 0513N05 Instrument: Neo Sequence: N090504 Initials: GM

GC SC-Blank-REG MDLs Printed: 5/29/2009 10:40:50 AM

# Method Blank EPA 8260B - AFCEE 3.0 (Water)

APPL Inc.

908 North Temperance Avenu

Clovis, CA 93611

Blank Name/QCG: 090513W-96655 - 132731

Batch ID: \$826AW-090513AN

Sample T	ype Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
BLANK	Chloromethane	Not detected	1.3	0.31	ug/L	5/13/2009	5/13/2009
BLANK	Cis-1,2-DCE	Not detected	1.2	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Cis-1,3-Dichloropropene	Not detected	1.0	0.15	ug/L	5/13/2009	5/13/2009
BLANK	Dibromochloromethane	Not detected	0.5	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Dibromomethane	Not detected	2.4	0.20	ug/L	5/13/2009	5/13/2009
BLANK	Dichlorodifluoromethane	Not detected	1.0	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Ethylbenzene	Not detected	0.6	0.23	ug/L	5/13/2009	5/13/2009
BLANK	Hexachlorobutadiene	Not detected	1.1	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Isopropylbenzene	Not detected	0.5	0.16	ug/L	5/13/2009	5/13/2009
BLANK	m&p-Xylene	Not detected	0.5	0.40	ug/L	5/13/2009	5/13/2009
BLANK	Methylene chloride	Not detected	1.0	0.35	ug/L	5/13/2009	5/13/2009
BLANK	n-Butylbenzene	Not detected	1.1	0.15	ug/L	5/13/2009	5/13/2009
BLANK	n-Propylbenzene	Not detected	0.4	0.21	ug/L	5/13/2009	5/13/2009
BLANK	Naphthalene	Not detected	0.4	0.36	ug/L	5/13/2009	5/13/2009
BLANK	o-Xylene	Not detected	1.1	0.19	ug/L	5/13/2009	5/13/2009
BLANK	p-Isopropyltoluene	Not detected	1.2	0.12	ug/L	5/13/2009	5/13/2009
BLANK	Sec-Butylbenzene	Not detected	1.3	0.12	ug/L	5/13/2009	5/13/2009
BLANK	Styrene	Not detected	0.4	0.25	ug/L	5/13/2009	5/13/2009
BLANK	TCE	Not detected	1.0	0.16	ug/L	5/13/2009	5/13/2009
BLANK	Tert-Butylbenzene	Not detected	1.4	0.13	ug/L	5/13/2009	5/13/2009
BLANK	Tetrachloroethene	Not detected	1.4	0.15	ug/L	5/13/2009	5/13/2009
BLANK	Toluene	Not detected	1.1	0.17	ug/L	5/13/2009	5/13/2009
BLANK	Trans-1,2-DCE	Not detected	0.6	0.19	ug/L	5/13/2009	5/13/2009
BLANK	Trans-1,3-Dichloropropene	Not detected	1.0	0.18	ug/L	5/13/2009	5/13/2009
BLANK	Trichlorofluoromethane	Not detected	8.0	0.24	ug/L	5/13/2009	5/13/2009
BLANK	Vinyl chloride	Not detected	1.1	0.23	ug/L	5/13/2009	5/13/2009
BLANK	Surrogate: 1,2-Dichloroethane-d4 (S)	102	69-139		%	5/13/2009	5/13/2009
BLANK	Surrogate: 4-Bromofluorobenzene (S)	86.3	75-125		%	5/13/2009	5/13/2009
BLANK	Surrogate: Dibromofluoromethane (S)	104	75-125		%	5/13/2009	5/13/2009
BLANK	Surrogate: Toluene-D8 (S)	90.0	75-125		%	5/13/2009	5/13/2009

Quant Method: N826AW.M Run #: 0513N05 Instrument: Neo Sequence: N090504 Initials: GM

GC SC-Blank-REG MDLs Printed: 5/29/2009 10:40:50 AM

APPL ID: 090513W-96655 LCS - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenue

Clovis, CA 93611

Compound Name	Spike Level	SPK Result	SPK %	Recovery	
	ug/L	ug/L	Recovery	Limits	
1,1,2-Tetrachloroethane	10.00	9.24	92.4	72-125	
1,1-TCA	10.00	8.02	80.2	75-125	
1,2,2-Tetrachloroethane	10.00	8.32	83.2	74-125	
1,2-TCA	10.00	9.37	93.7	75-127	•
1-DCA	10.00	9.07	90.7	75-125	
1-DCE	10.00	7.85	78.5	75-125	
1-Dichloropropene	10.00	8.11	81.1	75-125	
2,3-Trichlorobenzene	10.00	8.85	88.5	75-137	
2,3-Trichloropropane	10.00	8.45	84.5	75-125	
2,4-Trichlorobenzene	10.00	9.55	95.5	75-135	
2,4-Trimethylbenzene	10.00	9.84	98.4	75-125	
2-DCA	10.00	7.80	78.0	68-127	
2-DCB	10.00	9.27	92.7	75-125	
2-Dibromo-3-chloropropane	10.00	9.51	95.1	59-125	
2-Dichloropropane	10.00	7.97	79.7	70-125	
2-EDB	10.00	8.17	81.7	75-125	
3,5-Trimethylbenzene	10.00	10.0	100	72-112	
3-DCB	10.00	9.90	99.0	75-125	
3-Dichloropropane	10.00	8.59	85.9	75-125	
4-DCB	10.00	9.36	93.6	75-125	
Chlorohexane	10.00	13.3	133 #	75-125	
2-Dichloropropane	10.00	7.76	77.6	75-125	
Chlorotoluene	10.00	9.91	99.1	73-125	
Chlorotoluene	10.00	9.97	99.7	74-125	
enzene	10.00	8.66	86.6	75-125	*
romobenzene	10.00	9.55	95.5	75-125	

# = Recovery is outside QC limits.

Comments:

Primary SPK

Quant Method: N826AW.M

Extraction Date: 5/13/2009

Analysis Date: 5/13/2009

Instrument: Neo

Run: 0513N01

Initials: GM

Printed: 5/29/2009 10:40:56 AM APPL Standard LCS

APPL ID: 090513W-96655 LCS - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenue

Clovis, CA 93611

Compound Name	Spike Level	SPK Result	SPK %	Recovery	
	ug/L	ug/L	Recovery	Limits	
Bromochloromethane	10.00	9.05	90.5	73-125	·
Bromodichloromethane	10.00	10.7	107	75-125	
Bromoform	10.00	9.29	92.9	75-125	
Bromomethane	10.00	11.6	116	72-125	
Carbon tetrachloride	10.00	7.72	77.2	62-125	
Chlorobenzene	10.00	9.03	90.3	75-125	
Chloroethane	10.00	9.87	98.7	65-125	,
Chloroform	10.00	9.83	98.3	74-125	
Chloromethane	10.00	12.4	124	75-125	
Dis-1,2-DCE	10.00	8.73	87.3	75-125	
Dis-1,3-Dichloropropene	10.00	7.04	70.4 #	74-125	
Dibromochloromethane	10.00	8.40	84.0	73-125	
Dibromomethane	10.00	9.22	92.2	69-127	
Dichlorodifluoromethane	10.00	9.02	90.2	72-125	
thylbenzene	10.00	9.03	90.3	75-125	
lexachlorobutadiene	10.00	10.7	107	75-125	
sopropylbenzene	10.00	10.1	101	75-125	
n&p-Xylene	20.0	18.7	93.5	75-125	
Methylene chloride	10.00	8.47	84.7	75-125	
-Butylbenzene	10.00	10.3	103	75-125	
-Propylbenzene	10.00	9.91	99.1	75-125	
laphthalene	10.00	9.21	92.1	75-125	
-Xylene	10.00	9.56	95.6	75-125	
-lsopropyltoluene	10.00	10.4	104	75-125	
ec-Butylbenzene	10.00	9.95	99.5	75-125	
Styrene	10.00	9.95	99.5	75-125	
CE	10.00	8.93	89.3	71-125	

" Trocovery to outered a diminion

Comments:

Primary	<u>SPK</u>
Quant Method :	N826AW.M
Extraction Date :	5/13/2009
Analysis Date:	5/13/2009
Instrument :	Neo
Run:	0513N01
Initials :	GM

Printed: 5/29/2009 10:40:56 AM
APPL Standard LCS

APPL ID: 090513W-96655 LCS - 132731

Batch ID: \$826AW-090513AN

APPL Inc.

908 North Temperance Avenue

Clovis, CA 93611

Compound Name	Spike Level	SPK Result	SPK %	Recovery	
	ug/L	ug/L	Recovery	Limits	····
Tert-Butylbenzene	10.00	9.84	98.4	75-125	
Tetrachloroethene	10.00	8.75	87.5	71-125	
Toluene	10.00	8.81	88.1	74-125	
Trans-1,2-DCE	10.00	7.53	75.3	75-125	
Trans-1,3-Dichloropropene	10.00	6.87	68.7	66-125	
Trichlorofluoromethane	10.00	9.73	97.3	67-125	
Vinyl chloride	10.00	11.4	114	46-134	
Surrogate: 1,2-Dichloroethane-d4 (S)	17.2	18.3	106	69-139	
Surrogate: 4-Bromofluorobenzene (S)	21.5	21.2	98.4	75-125	
Surrogate: Dibromofluoromethane (S)	20.3	23.3	. 115	75-125	
Surrogate: Toluene-D8 (S)	21.4	23.4	109	75-125	

= Recover	y is	outside	QC	limits.
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Comments:

 Primary
 SPK

 Quant Method :
 N826AW.M

 Extraction Date :
 5/13/2009

 Analysis Date :
 5/13/2009

 Instrument :
 Neo

 Run :
 0513N01

 Initials :
 GM

Printed: 5/29/2009 10:40:56 AM
APPL Standard LCS

Data File: M:\NEO\DATA\N090504\0504N00T.D

Acq On : 4 May 09 17:51

Sample : 20ug/L BFB Std 2-24-09K

Operator: NR
Inst : Neo
Multiplr: 1.00

Vial: 1

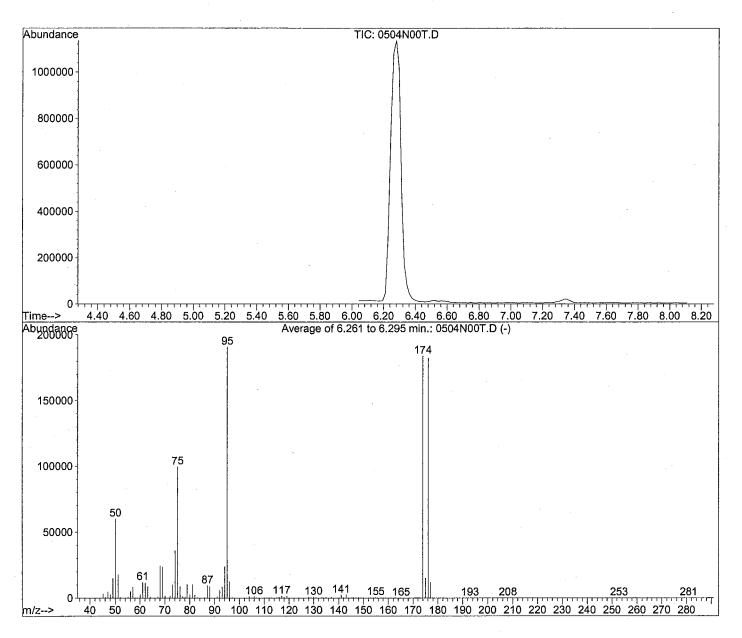
Misc : 2u

Method

. 202

: M:\NEO\DATA\N090504\N826AW.M (RTE Integrator)

Title : METHOD 8260B: 10ML PURGE



Spectrum Information: Average of 6.261 to 6.295 min.

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174	15 30 100 5 0.00 50 55 95	40 60 100 9 2 100 9	31.4 52.2 100.0 6.5 0.0 96.4 8.2 99.1 6.5	59978 99617 190729 12371 0 183936 15087 182251 11931	

Vial: 1 Operator: NR

Data File: M:\NEO\DATA\N090504\0505N00T.D

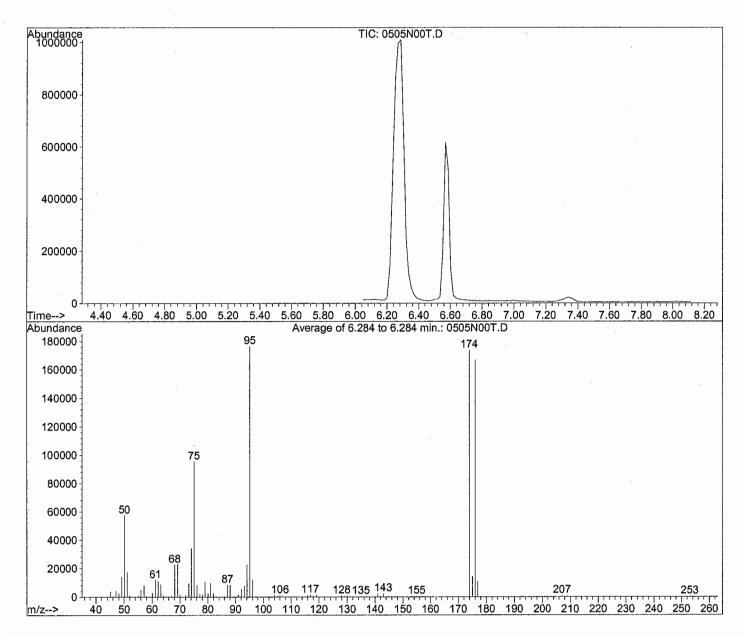
Acq On : 5 May 09 12:20

: 20ug/L BFB Std 2-24-09K Sample

: Neo Inst Misc Multiplr: 1.00 : 2ul

: M:\NEO\DATA\N090504\N826AW.M (RTE Integrator) Method

: METHOD 8260B: 10ML PURGE Title



Spectrum Information: Average of 6.284 to 6.284 min.

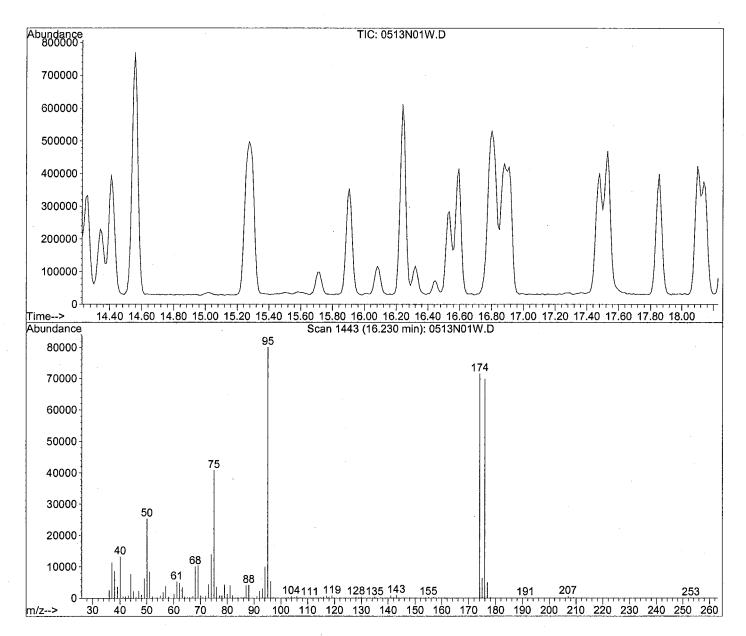
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass		Limit%	Limit%	Abn%	Abn	Pass/Fail
50 75 95 96 173 174 175 176	95 95 95 95 174 95 174 174	15 30 100 5 0.00 50 55 95	40 60 100 9 2 100 9	32.5 54.0 100.0 6.8 0.0 98.5 8.2 95.9 6.5	57368 95368 176448 12021 0 173760 14299 166720 10806	PASS PASS PASS PASS PASS PASS PASS PASS

Data File: M:\NEO\DATA\N090504\0513N01W.D

Vial: 1 Acq On : 13 May 09 10:19 Operator: NR Sample : 20ug/L BFB Std 2-24-09K Inst : Neo Misc Multiplr: 1.00

: M:\NEO\DATA\N090504\N826AW.M (RTE Integrator) Method

: METHOD 8260B: 10ML PURGE Title



Spectrum Information: Scan 1443

	Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail	
Ī	50	95	15	40	31.6	25280	PASS	
	75	95	30	60	51.0	40808	PASS	
	95	95	100	100	100.0	80048	PASS	
	96	95	5	9	6.6	5297	PASS	'
	173	174	0.00	2	0.0	0	PASS	
	174	95	50	100	89.4	71584	PASS	
	175	174	5	9	8.7	6212	PASS	
	176	174	95	101	97.6	69848	PASS	
	177	176	5	9	7.1	4954	PASS	
٠.		'			•	•		

#### Injection Log

Directory: M:\NEO\DATA\N090504\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0504N00T.D	1	20ug/L BFB Std 2-24-09K	2ul	4 May 09 17:51
2	1	0504N03W.D	1	Vol Std 5-4-09AJ@ 0.3ug/L	Water 10mL w/IS:4-07-09C	4 May 09 19:50
3	1	0504N04W.D	1	Vol Std 5-4-09AK@ 0.5ug/L	Water 10mL w/IS:4-07-09C	4 May 09 20:25
4	1	0504N05W.D	1	Vol Std 5-4-09AL@ 1.0ug/L	Water 10mL w/IS:4-07-09C	4 May 09 21:00
5	1	0504N06W.D	1	Vol Std 5-4-09AM@ 5.0ug/L	Water 10mL w/IS:4-07-09C	4 May 09 21:35
6	1	0504N07W.D	1	Vol Std 5-4-09AN@10ug/L	Water 10mL w/lS:4-07-09C	4 May 09 22:10
7	1	0504N08W.D	1	Vol Std 5-4-09 AO@40ug/L	Water 10mL w/IS:4-07-09C	4 May 09 22:44
8	1	0504N09W.D	1	Vol Std 5-4-09 AP@100ug/L	Water 10mL w/IS:4-07-09C	4 May 09 23:20
9	1	0504N10W.D	1	Vol Std 5-4-09AQ@200ug/L	Water 10mL w/IS:4-07-09C	4 May 09 23:54
10	1	0505N00T.D	1	20ug/L BFB Std 2-24-09K	2ul	5 May 09 12:20
11	1	0505N02W.D	1	090505A LCS-1WN (SS)	Water 10mL w/IS&S:4-07C/4-17B	5 May 09 13:32
12	1	0513N00T.D	1	20ug/L BFB Std 2-24-09K	2ul	13 May 09 9:54
13	1	0513N02W.D	1	090513A LCS-1WN	Water 10mL w/IS&S:4-07C/4-17B	13 May 09 10:54
14	1	0513N05W.D	1	090513A BLK-1WN	Water 10mL w/IS&S:4-07C/4-17B	13 May 09 12:37
15	1	0513N06W.D	1	AX96655W01	Water 10mL w/IS&S:4-07C/4-17B	13 May 09 13:12

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5/29/2009

#### **INORGANIC ANALYSIS**



# INORGANIC ANALYSIS QC Summary



#### **WETLAB BLANK**

APPL Inc. 908 North Temperance Avenue Clovis, CA 93611

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date	QC Group
EPA 160.1	Total Dissolved Solids EPA 160	Not detected	10	4.4	mg/L	05/15/09		\$TDS-090515A-AX96655

Metals SC-Blank-REG MDLs Printed: 05/26/09 10:17:19 AM

# Laboratory Control Spike Recoveries WETLAB DISSOLVED

APPL Inc. 908 North Temperance Avenue

Clovis, CA 93611

1	-	35
		92.8 14.5 20 80-120 05/15/09 05/18/09 05/15/09 05/18/09 \$TDS-090515A-AX96655
QC Group		TDS-09051
RPD QC Extract Analysis Extract Analysis QC Group	Max Limits Date-Spk Date-Spk Date-Dup Date-Dup	05/18/09 \$
Extract	Date-Dup	05/15/09
Analysis	Date-Spk	05/18/09
Extract	Date-Spk	05/12/09
8	Limits	80-120
RPD	Мах	20
RPD		14.5
SPK % DUP % RPD	Recov	92.8
SPK %	Recov	107
DUP Res	mg/L	205
Spike Lvl SPK Res DUP Res	mg/L	237
oike LvI	mg/L	221
	_	ids EPA
Compound Name		PA 160.1 Total Dissolved Solids EPA 221
CO		Tota
Method		EPA 160.1

Comments:

Printed: 05/26/09 10:17:14 AM APPL Standard LCSD

# INORGANIC ANALYSIS Sample Data



#### **Wet Lab Analysis**

Parsons Engineering Science, Inc. 8000 Centre Park Drive Ste 200 Austin, TX 78754

908 North Temperance Avenue Clovis, CA 93611

Attn: Tammy Chang

Project: 746546.02000 CSSA

Sample ID: B3-EXW01

Sample Collection Date: 05/12/09

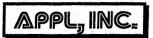
**APPL ID: AX96655** 

ARF: 58872

APPL Inc.

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date
EPA 160.1	Total Dissolved Solids EPA 160.1	523	10	4.4	mg/L	05/15/09	05/18/09

# INORGANIC ANALYSIS Raw Data



**Batch:** QCG 090515-T001911

TDS			Batch	<b>Date:</b> 05/15/09			
Sample	Container	Volume (mL)	Pan (g)	Pan+Dry 1 (g)	Pan+Dry 2 (g)	TDS / TSS Comments (mg/L)	
AX96655M1	W04	100	102.6943	102.7671	102.7670	727.0000	···· <del>·</del>
			05/15/09 16:43	05/18/09 11:42	05/18/09 17:13		
AX96655	W04	100	102.8768	102.9292	102.9291	523.0000	
			05/15/09 16:43	05/18/09 11:41	05/18/09 17:11		
LCS		100	104.4197	104.4433	104.4434	237.0000	
			05/15/09 16:44	05/18/09 11:39	05/18/09 17:14		
Blank1		100	96.2687	96.2688	96.2689	2.0000	
			05/15/09 16:44	05/18/09 11:39	05/18/09 17:15		
LCSD		100	102.0662	102.0865	102.0867	205.0000	
			05/15/09 16:45	05/18/09 11:37	05/18/09 17:16		

Date/Time @104°C	Date/Time @180°C		Date/Time Weighed	64000	Date/Time inDessicator	Date/Time Weighed
05/15/09 4:50:00 PM	05/18/09 8:00:00 AM	05/18/09 10:30:00 AM	05/18/09 11:37:00 AM	05/18/09 11:45:00 AM	05/18/09 3:50:00 PM	05/18/09 5:11:00 PM

Date	Initials	Balance	Weight	Reading	Lower	Upper	Comments
					Limit	Limit	Bubble centered
5/13/19	MR	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	705
		Mettler AT200		0.9999 g	0.9990	1.0010	
		Mettler AT200	20g	20.0000 g	19.9800	20.0200	
		Mettler AT200	50g	50.0001 g	49.9500	50.0500	
		Mettler AT200	100g	100.0002g	99.9000	100.1000	
		Mettler AT200		150.0003g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.56g	0.48	0.52	
		OHAUS ARC120	1g	1 · 00 g	0.98	1.02	
		OHAUS ARC120	100g	100.00 g	99.80	100.20	
		OHAUS ARC120	1kg	999.928	998.00	1002 102.00	KA 1/3/09
	4	OHAUS ARC120		1999.85g	1998.00	2002.00	ユ
5114109	DOB				12.74		
7	1	Mettler AT200	0.5g	0.500   g	0.4995	0.5005	Bubble centred
		Mettler AT200	1g	0.9998 g	0.9990	1.0010	· /
		Mettler AT200		19.9999 g	19.9800	20.0200	
1		Mettler AT200		50.0002g	49.9500	50.0500	
		Mettler AT200	100g (	99.9995g	99.9000	100.1000	
		Mettler AT200		150.0001 g	149.8500	150.1500	
		OHAUS ARC120		O.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	0.50 g	0.48	0.52	
		OHAUS ARC120	1g	1.00 g	0.98	1.02	
<del></del>		OHAUS ARC120	100g	100.00 g	99.80	100.20	
		OHAUS ARC120		999.87 g	998.00	1002 102.00	KA 1/13/09
		OHAUS ARC120		1999 .77 g	1998.00	2002.00	1
	4/						
5/15/09	MR	Mettler AT200	0.5g	0.5000 g	0.4995	0.5005	Yes
- 11515	T	Mettler AT200	1g	0.9999 g	0.9990	1.0010	
		Mettler AT200	20g	20.0000g	19.9800	20.0200	
		Mettler AT200		50.0003g	49.9500	50.0500	
		Mettler AT200		99.9998g	99.9000	100.1000	
		Mettler AT200	150g	150.000lg	149.8500	150.1500	
		OHAUS ARC120	0.1g	Ø.1 Dg	0.08	0.12	
		OHAUS ARC120	0.5g	0508	0.48	0.52	
<del></del>		OHAUS ARC120	1g		0.98	1.02	
		OHAUS ARC120	100g	100.00 g	99.80	100.20	
		OHAUS ARC120	1kg	999.90g	998.00	1002 102.00	Kn 1113/04
		OHAUS ARC120	2kg	1999. 798	1998.00	2002.00	
ALKENAVI V	a Tabir s						U
5/18/09	MR	Mettler AT200	0.5g	0.5000	0.4995	0.5005	465
9,000		Mettler AT200	lg		0.9990	1.0010	0.1
		Mettler AT200		20.000B	19.9800	20.0200	
		Mettler AT200	50g		49.9500	50.0500	
		Mettler AT200		100.0001g	99.9000	100.1000	
		Mettler AT200		150.0004g	149.8500	150.1500	
		OHAUS ARC120	0.1g	0.10 g	0.08	0.12	
		OHAUS ARC120	0.5g	050g	0.48	0.52	
		OHAUS ARC120	1g	1-00g	0.98	1.02	
		OHAUS ARC120	100g	100.00g	99.80	100.20	
		OHAUS ARC120	1kg		998.00	1002 102.00	WA V13/69
1.		OHAUS ARC120	2kg		1998.00	2002.00	