APPENDIX G

SVE Pilot Test Data

URS CORPORATION 3 hr. test

HYDRODATA SHEET

Project Cooper Drum Event SVE-Test (SVE-1) Sampler DJ

Project No. 41F2504700.03 Datum "H_2O Sheet 1 of 1

WELL or LOCATION	DATE	TIME	"H_2O VAC ~~MEASUREMENT~~	cfm RATE	20 10'	20 20'	20 30'	95 10'	95 20'	95 30'	EW-1
SVE-1	1-3-01	0900	102" H_2O	52	.43	.21	.66	0	.95	0	MAX amps 35.2
start 1st step		1004	30"	22							
# 21280		1014			0	.38	.66	.20	.85	0	
		1022			.12	.46	.80	.25	1.05	0	
		1029			–	.58	+1.0	.25	1.25	0	
		1034			.07	.70		.25	1.40	.03	
		1040			0	.74	1.1	.24	1.50	.03	
increased rate @		1041	65"	53							
		1046			.23	.79	1.5	.36	1.65	.03	
		—	—	—	~~.36~~	~~1.65~~	—	—	—	—	
		1052			.16	.91	2.2	.48	1.90	.03	← changed gauge & reading no good
		1100			.18	.97	2.8	.50	2.0	.40	
		1108			.10	new gauge	~~2.3~~				
		1110			.10	.3	2.6	.48	2.65	+1.0	.00
		1120			.14	.35	3.3	.51	3.20	0.97	.00
increase rate @		1123	130"	96							
		1130			.10	.70	3.65	.77	3.7	1.55	.00
# 21281		1135	sampled		.08	1.35	4.5	.92	4.8	1.75	.00
		1142	130	82							
		1156			.10	2.35	+5.0	.96	+5.0	+2.0	.00
		1220		98	0	cg 2.5	cg 2.4	.95	8.75	2.5	
		1235			① 0	cg 3.7	2.6	.95	10.5	2.95	
		1245	130	88	cg +3.0	cg	cg +5.0	.95	10.1	3.2	
Sample #21282		1300			3.5	—	4.5	—	—	—	

2" Hg sampled

1300

shut down test

reading prior to cg no good

cg = changed gauge

note ① reading @ 20'-10' no good except last 2 - obvious vacuum measured.

② when new gauge used reading did not recover in some instances.

URS CORPORATION

HYDRODATA SHEET

Project Cooper Drum Event SVE-Test Sampler DJ

Project No. 41F2504700.03 Datum "H_2O Sheet VP-2 of

WELL or LOCATION	DATE	TIME	"H_2O VAC ~~MEASUREMENT~~	cfm RATE	VP-1, 20' 10'	VP-1, 20' 20'	VP-1, 20' 30'	VP-2, 95' 10'	VP-2, 95' 20'	VP-2, 95' 30'	EW-1
SVE-1	1-3-01	0900	102" H_2O	52	.43	.21	.66	0	.95	0	MAX amps 35.2
start 1st step		1004	30"	22							
#21280		1014			0	.38	.66	.20	.85	0	
		1022			.12	.46	.80	.25	1.05	0	
		1029			–	.58	+1.0	.25	1.25	0	
		1034			.07	.70		.25	1.40	.03	
		1040			0	.74	1.1	.24	1.50	.03	
increased rate @		1041	65"	53							
		1046			.23	.79	1.5	.36	1.65	.03	
		—	—	—	~~.36~~	~~1.65~~	—	—	—	—	
		1052			.16	.91	2.2	.48	1.90	.03	← changed gauge reading no good
		1100			.18	.97	2.8	.50	2.0	.40	
		1108			.10	new gauge	~~2.3~~				
		1110			.10	.3	2.6	.48	2.65	+1.0	.00
		1120			.14	.35	3.3	.51	3.20	0.97	.00
increase rate @		1123	130"	96							
		1130			.10	.70	3.65	.77	3.7	1.55	.00
#21281		1135	sampled		.08	1.35	4.5	.92	4.8	1.75	.00
		1142	130	82							
		1156			.10	2.35	+5.0	.96	+5.0	+2.0	.00
		1220		98	0	cg 2.5	cg 2.4	.95	8.75	2.5	
		1235			0	5+ ~~2.6~~	2.6	.95	10.5	2.95	
		1245	130	88	cg +3.0	cg	cg +5.0	.95	10.1	3.2	
Sample #21282		1300			3.5	—	4.5	—	—	—	

3" Hg

sampled

1300

shut down test

↑ reading prior to cg no good

cg = changed gauge

note ① reading @ 20'-10' no good except last 2 - obvious vacuum measured.

② when new gauge used reading did not recover on some instances.

Page 1 of 2

SVE Test Data Field Sheet

Project: Cooper Drum SVE-2 vac test
Job No.: 18600047.03020
Date: 3/3/04
Sampler(s): Don Gruber

	Well I.D.	SVE-2	Time	VP-3 10 ft	VP-3 20 ft	VP-3 30 ft	VP-4 10 ft	VP-4 20 ft	VP-4 30 ft	
	Distance from SVE well (ft)									
	Screen Interval (feet bgs)									
Amps	Flow rate (cfm)	Vacuum (in. H_2O)		Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	
23.4	27.4 cfm	40	0840							
			845	0.3	0.65	0.70				
			0851	0.45	0.65	0.80				
			0901	0.50	0.65	0.83				
	24.5	40	0915	0.65	0.70	>1.0 pegged				
			0919	0.60	0.70	1.15				slow creep
26.1 amps	48.9	80	0920							increased rate
10 HP motor			0923	0.64	0.78	1.25				
			0928	0.88	0.81	1.35				
	46.7	80	0937	>1.0	0.88	1.50				
	46.5	80	0949	1.175	1.00	1.79				
	46.5	80	1000	1.25	1.20	>2.0				
			1016	1.30	1.40	2.70				
	45.8	80	1025	1.30	1.50	2.90				
30.5 amps	75.5	129	1026							increased rate
			1028	1.30	1.55	3.00				
	73.0	132	1033	1.55	1.65	3.20				
temp at well -68.7	71.5	130	1045	1.825	1.80	3.4				

Comments: pretest - 123 ~~cfm~~ ~~83~~ inch water - test start @ 0840 @ 1
83 cfm Sample #0846 @ 0850

40, 80, 120 40 amp motor @ 230 V Sample #0852 @ 0910

10 min, 30 min, 100 min, 230 min Sample #0873 @ 1020

SVE Test Data Field Sheet

Project: Cooper Drum SVE-2 test
Job No.: 18600047.03020
Date: 3/3/04
Sampler(s): Don Gruber

Well I.D.	SVE-2	Time	VP-3 10 ft	VP-3 20 ft	VP-3 30 ft	VP-4 10 ft	VP-4 20 ft	VP-4 30 ft
Distance from SVE well (ft)								
Screen Interval (feet bgs)								
Flow rate (cfm)	Vacuum (in. H_2O)		Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)
		1055	1.92	1.95	3.60			
70.5	130	1105	1.95	2.15	3.80			
70.5	130	1115	1.95	2.49	4.10			
		1125	1.95	2.71	4.20			
		1135	1.95	2.95	4.30			
72.5	132	1145	1.975	3.15	4.40			
72.5	132	1155	2.05	3.40	4.50			
		1205	2.15	3.61	4.60			
72.5	132	1215	2.20	3.80	4.70			
		1225	2.20	3.95	4.80			
72.5	132	1235	2.20	4.10	4.90			
		1236	shutdown.					

Comments: Sampled @ 1230 canister 0874
Sampled duplicate immediately following canister #0895

SVE Test Data Field Sheet

Project: Cooper Drum SVE-2 VAC Test.
Job No.: 18600047.03020
Date: 3-3-04
Sampler(s): MA DG

Well I.D.	SVE-2	Time	VP-3 10 ft	VP-3 20 ft	VP-3 30 ft	VP-4 10 ft	VP-4 20 ft	VP-4 30 ft
Distance from SVE well (ft)	—	—						
Screen Interval (feet bgs)		—						
Flow rate (cfm)	Vacuum (in. H_2O)		Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)
		840	Start test					
		845				0.17	0.45	0.67
		850				0.17	0.65	0.70
		855				0.17	0.70	0.79
		900				0.17	0.70	0.80
		905				0.17	0.70	0.81
		910				0.18	0.74	0.95
		915				0.20	0.81	1.05
		920				0.20	0.85	1.10
		925				0.32	0.90	1.20
		930				0.36	0.95	1.30
		935				0.37	0.99	1.38
		940				0.37	1.01	1.45
		950				0.39	1.15	1.75
		1000				0.41	1.32	2.00
		1010				0.41	1.55	2.35
		1024				0.50	1.62	2.70
		1035				0.69	1.80	3.00

Comments: Start test @ 840.

SVE Test Data Field Sheet

Project: Cooper Drum — SVE-2 VAC Test

Job No.: 18600047-030J0

Date: 3-3-04

Sampler(s): MA ~~DG~~

Well I.D.	SVE-2	Time	VP-3 10 ft	VP-3 20 ft	VP-3 30 ft	VP-4 10 ft	VP-4 20 ft	VP-4 30 ft
Distance from SVE well (ft)	—	—						
Screen Interval (feet bgs)		—						
Flow rate (cfm)	Vacuum (in. H_2O)		Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)	Vacuum (in. H_2O)
		1045				0.60 *	2.11 *	3.20
		1055				0.60	2.35	3.40
		1105				0.60	2.55	3.60
		1115				0.60	2.80	3.80
		1125				0.60	3.00	4.00
		1135				0.60	3.25	4.20
		1145				0.61	3.41	4.30
		1155				0.61	3.60	4.50
		1205				0.63	3.85	4.60
		1215				0.62	4.00	4.70
		1225				0.61	4.13	4.79

Comments: * Switched 10' & 20' gauges @ 1035.

URS CORPORATION
2870 Gateway Oaks Drive, Suite 300
Sacramento, CA 95833
(916) 679-2000

Chain Of Custody Record

Case # RO45509

Project Number: 18600047.07030

Site Name: Cooper Drum

Sampler's signatures:

Analytical Methods: List number of containers, preservative per method (e.g. for sample of 3 VOA vials with HCl, record 3,A in box)

Sample Number	Sample Location	Depth	Date (MM/DD/YY)	Time (24 Hour)	Matrix	Grab	Comp	List Analytical Methods: VOCs (8260)	TOC (415.2)	Chloride, Nitrate, Sulfate	Sulfide (376.2)	Alkalinity (310.1)	TDS (160.1)	BOD (5A5210B)	Calcium, iron, magnesium, manganese, potassium, sodium	Remarks
						SACODE	MET									
35001	MW-5		12/3/03	815	WG			3AC	3CE	1E	1DE	1E	1E	1E	1EF	F: HNO_3
35007	EW-2		12/3/03	940	WG			3AE	3CE	1E	1DE	1E	1E	1E	1EF	F: HNO_3
35003	MW-21		12/3/03	1200	WG			3AE	6AE							Lab QC
35004	MW-21		12/3/03	1210	WG			3AE	3AE							
35005	MW-21		12/3/03	1055	WG			3AE	3AE							
Trip Blank			12/3/03	1100				3AE								
35009	SVE-1		12/3/03	1440	WG			3AE								

MT 12-3-07

Matrix Types: A - Air; GS- Soil Gas; GE - Gaseous Effluent; P - Product; S - Soil/Sediment/Solid; T - Tissue; W - Water; WG - Groundwater; WW - Waste Water; O - Other (specify)
MET: G - Grab; TD - Tedlar; AC - Summa

Preservation: A - HCL; B - HNO_3; C - H_2SO_4 ; D - NaOH; E - Ice; F - (specify)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	12/3/03	1630	To FedEx: 839230564873				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY LABORATORY: (SIGNATURE)	DATE	TIME	LAB Name and LAB Contact:

Remarks:

COOLER ID:

SEND RESULTS TO:
☐ FAX Preliminary results: (916) 679-2900

White - Original to Accompany Samples Yellow - URS Main Office Pink - URS Field Office

No. 10465

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Site Cleanup Section 3	**Project:** Cooper Drum December 2003 Baseline GW Sampling	
75 Hawthorne Street	**Project Number:** R04S09	**SDG:**03338B
San Francisco CA, 94105	**Project Manager:** Eric Yunker	**Reported:**01/07/04 16:16

0312007-07 SVE-1 : 35009 **Water** **Sampled: 12/03/03 14:40** **Received: 12/04/03 11:10**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane	ND	U	1.0	ug/L	B3L0025	12/05/03	12/05/03	524.2/SOP354
Chloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Bromomethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Chloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Trichlorofluoromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1-Dichloroethene	6.9		1.0	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	U	1.0	"	"	"	"	524.2/SOP354
Acetone	17	Q3, J	4.0	"	"	"	"	524.2/SOP354
Dichloromethane	0.9	Q3, C1, J	1.0	"	"	"	"	524.2/SOP354
trans-1,2-Dichloroethene	18		1.0	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)	ND	U	1.0	"	"	"	"	524.2/SOP354
2,2-Dichloropropane	ND	U	1.0	"	"	"	"	524.2/SOP354
2-Butanone (MEK)	ND	C3, J, U	4.0	"	"	"	"	524.2/SOP354
...nochloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
...oroform	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1-Dichloropropene	ND	U	1.0	"	"	"	"	524.2/SOP354
Benzene	16		1.0	"	"	"	"	524.2/SOP354
1,2-Dichloroethane	8.2		0.5	"	"	"	"	524.2/SOP354
Carbon tetrachloride	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dichloropropane	15		1.0	"	"	"	"	524.2/SOP354
Dibromomethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Bromodichloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Tetrachloroethene	2.5		1.0	"	"	"	"	524.2/SOP354
1,3-Dichloropropane	ND	U	1.0	"	"	"	"	524.2/SOP354
Chlorodibromomethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1,1,2-Tetrachloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Styrene	24		1.0	"	"	"	"	524.2/SOP354
Bromoform	ND	U	1.0	"	"	"	"	524.2/SOP354
Isopropylbenzene	3.0		1.0	"	"	"	"	524.2/SOP354
Bromobenzene	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1,2,2-Tetrachloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,2,3-Trichloropropane	ND	U	1.0	"	"	"	"	524.2/SOP354
Propylbenzene	2.4		1.0	"	"	"	"	524.2/SOP354
2-Chlorotoluene	0.9	C1, J	1.0	"	"	"	"	524.2/SOP354
4-Chlorotoluene	ND	U	1.0	"	"	"	"	524.2/SOP354
1,3,5-Trimethylbenzene	5.6		1.0	"	"	"	"	524.2/SOP354
...utylbenzene	ND	U	1.0	"	"	"	"	524.2/SOP354
...,4-Trimethylbenzene	18		1.0	"	"	"	"	524.2/SOP354
sec-Butylbenzene	0.6	C1, J	1.0	"	"	"	"	524.2/SOP354
1,3-Dichlorobenzene	ND	U	1.0	"	"	"	"	524.2/SOP354

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-1 Groundwater Sample

Site Cleanup Section 3
75 Hawthorne Street
San Francisco CA, 94105

Project: Cooper Drum December 2003 Baseline GW Sampling
Project Number: R04S09
Project Manager: Eric Yunker
SDG:03338B
Reported:01/07/04 16:16

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0312007-07 : 35009 Water Sampled: 12/03/03 14:40 Received: 12/04/03 11:10								
Volatile Organic Compounds by EPA Method 524.2								
1,4-Dichlorobenzene	ND	U	1.0	ug/L	B3L0025	12/05/03	12/05/03	524.2/SOP354
p-Isopropyltoluene	0.9	C1, J	1.0	"	"	"	"	524.2/SOP354
1,2-Dichlorobenzene	1.4		1.0	"	"	"	"	524.2/SOP354
Butylbenzene	0.8	C1, J	1.0	"	"	"	"	524.2/SOP354
1,2-Dibromo-3-chloropropane	ND	C3, J, U	2.0	"	"	"	"	524.2/SOP354
1,2,4-Trichlorobenzene	ND	U	1.0	"	"	"	"	524.2/SOP354
Hexachlorobutadiene	ND	U	1.0	"	"	"	"	524.2/SOP354
Naphthalene	1.4		1.0	"	"	"	"	524.2/SOP354
1,2,3-Trichlorobenzene	ND	U	1.0	"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4	*5.13*		*103 %*		*70-130*	"	"	"
Surrogate: Toluene-d8	*4.80*		*96 %*		*70-130*	"	"	"
Surrogate: 4-Bromofluorobenzene	*5.05*		*101 %*		*70-130*	"	"	"
Surrogate: 1,2-Dichlorobenzene-d4	*5.59*		*112 %*		*70-130*	"	"	"
[illegible]2007-07RE1 : 35009 Water Sampled: 12/03/03 14:40 Received: 12/04/03 11:10								
Volatile Organic Compounds by EPA Method 524.2								
Vinyl chloride	140		5.0	ug/L	B3L0043	12/10/03	12/10/03	524.2/SOP354
1,1-Dichloroethane	230		10	"	"	"	"	524.2/SOP354
Trichloroethene	70		10	"	"	"	"	524.2/SOP354
Chlorobenzene	32		10	"	"	"	"	524.2/SOP354
Ethylbenzene	76		10	"	"	"	"	524.2/SOP354
m&p-Xylene	94		10	"	"	"	"	524.2/SOP354
o-Xylene	68		10	"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4	*4.56*		*91 %*		*70-130*	"	"	"
Surrogate: Toluene-d8	*5.01*		*100 %*		*70-130*	"	"	"
Surrogate: 4-Bromofluorobenzene	*4.79*		*96 %*		*70-130*	"	"	"
Surrogate: 1,2-Dichlorobenzene-d4	*4.69*		*94 %*		*70-130*	"	"	"

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-1 Groundwater sample

Site Cleanup Section 3
75 Hawthorne Street
San Francisco CA, 94105

Project: Cooper Drum December 2003 Baseline GW Sampling
Project Number: R04S09
Project Manager: Eric Yunker
SDG:03338B
Reported:01/07/04 16:16

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0312007-07RE2 : 35009 Water **Sampled: 12/03/03 14:40 Received: 12/04/03 11:10**								
Volatile Organic Compounds by EPA Method 524.2								
cis-1,2-Dichloroethene	1100		60	ug/L	B3L0054	12/05/03	12/11/03	524.2/SOP354
Toluene	310		60	"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4	*4.46*		*89 %*		*70-130*	"	"	"
Surrogate: Toluene-d8	*4.90*		*98 %*		*70-130*	"	"	"
Surrogate: 4-Bromofluorobenzene	*4.62*		*92 %*		*70-130*	"	"	"
Surrogate: 1,2-Dichlorobenzene-d4	*4.52*		*90 %*		*70-130*	"	"	"
0312012-01 : 35000 Water **Sampled: 12/04/03 11:15 Received: 12/05/03 10:15**								
Volatile Organic Compounds by EPA Method 524.2								
Dichlorodifluoromethane	ND	U	1.0	ug/L	B3L0034	12/08/03	12/08/03	524.2/SOP354
Chloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Vinyl chloride	17		0.5	"	"	"	"	524.2/SOP354
Bromomethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Chloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Trichlorofluoromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1-Dichloroethene	13		1.0	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	U	1.0	"	"	"	"	524.2/SOP354
Acetone	ND	U	4.0	"	"	"	"	524.2/SOP354
Dichloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)	ND	U	1.0	"	"	"	"	524.2/SOP354
2,2-Dichloropropane	ND	U	1.0	"	"	"	"	524.2/SOP354
2-Butanone (MEK)	ND	C3, J, U	4.0	"	"	"	"	524.2/SOP354
Bromochloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Chloroform	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,1-Dichloropropene	ND	U	1.0	"	"	"	"	524.2/SOP354
Benzene	5.1		1.0	"	"	"	"	524.2/SOP354
1,2-Dichloroethane	14		0.5	"	"	"	"	524.2/SOP354
Carbon tetrachloride	ND	U	0.5	"	"	"	"	524.2/SOP354
1,2-Dichloropropane	5.6		1.0	"	"	"	"	524.2/SOP354
Dibromomethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Bromodichloromethane	ND	U	1.0	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene	ND	U	0.5	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Toluene	1.6		1.0	"	"	"	"	524.2/SOP354
Tetrachloroethene	ND	U	1.0	"	"	"	"	524.2/SOP354
1,3-Dichloropropane	ND	U	1.0	"	"	"	"	524.2/SOP354
Chlorodibromomethane	ND	U	1.0	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)	ND	U	1.0	"	"	"	"	524.2/SOP354
Chlorobenzene	5.6		1.0	"	"	"	"	524.2/SOP354
1,1,1,2-Tetrachloroethane	ND	U	1.0	"	"	"	"	524.2/SOP354
Ethylbenzene	ND	U	1.0	"	"	"	"	524.2/SOP354
m&p-Xylene	ND	U	1.0	"	"	"	"	524.2/SOP354
o-Xylene	ND	U	1.0	"	"	"	"	524.2/SOP354

ANALYTICAL RESUL
Table 1A

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Case No. : 32820 SDG No. : Y16A0
Site : COOPER DRUM
Lab : A4 SCIENTIFIC INC.
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

SVE-2 Groundwater Sample

SVE-2 Total VOCs 266 ppb

Station Location :	MW-7			SVE-2			MW-7A			MW-7B			MW-2			MW-5			MW-20		
Sample ID :	Y16A7			Y16A8			Y16A9			Y16B0			Y16A0DL			Y16A1DL			Y16A2DL		
Collection Date :	4/29/2004			4/29/2004			4/29/2004			4/29/2004			4/28/2004			4/27/2004			4/27/2004		
Dilution Factor :	1.0			1.0			1.0			1.0			80.0			20.0			80.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluorometha	0.50U	UJ		0.50U	U		0.50U	UJ		0.50U	UJ		40U	U		10U	U		40U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Vinyl Chloride	0.50U	UJ		1.1			0.50U	UJ		0.50U	UJ		40U	U		10U	U		40U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Trichlorofluoromethan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,1-Dichloroethene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		40U	UJ		10U	UJ		40U	UJ	
1,1,2-Trichloro-1,2,2-t	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Acetone	5.0U	U		51	J		5.0U	U		5.0U	U		400U	UJ		100U	UJ		400U	UJ	
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Methyl Acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Methylene Chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
trans-1,2-Dichloroethe	0.50U	U		0.55			0.50U	U		0.50U	U		50D			10U	U		40U	U	
Methyl tert-Butyl Ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,1-Dichloroethane	0.50U	U		82E			0.50U	U		0.50U	U		86D			86D			48D		
cis-1,2-Dichloroethene	0.50U	U		5.9			0.50U	U		0.50U	U		990D			220D			180D		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		400U	U		100U	U		400U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Chloroform	0.22J	J		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,1,1-Trichloroethane	0.50U	U		0.76			0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Cyclohexane	0.50U	U		0.16J	J		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Carbon Tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Benzene	0.50U	U		0.93			0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Trichloroethene	0.50U	U		33E			0.50U	U		0.50U	U		290D			88D			670D		
Methylcyclohexane	0.50U	U		0.66			0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		7.8JD	J		40U	U	
Bromodichloromethan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
cis-1,3-Dichloroproper	0.50U	UJ		0.50U	U		0.50U	UJ		0.50U	UJ		40U	U		10U	U		40U	U	
4-Methyl-2-pentanone	5.0U	U		9.9			5.0U	U		5.0U	U		400U	U		100U	U		400U	U	
Toluene	0.50U	U		13			0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
trans-1,3-Dichloroprop	0.50U	UJ		0.50U	U		0.50U	UJ		0.50U	U		40U	U		10U	U		40U	U	
1,1,2-Trichloroethane	0.50U	UJ		0.50U	U		0.50U	UJ		0.50U	U		40U	U		10U	U		40U	U	
Tetrachloroethene	0.50U	U		55E			0.50U	U		0.50U	U		40U	U		11D			40U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		400U	U		100U	U		400U	U	
Dibromochloromethan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	

Case No. : 32820 SDG No. : Y16A0
Site : COOPER DRUM
Lab : A4 SCIENTIFIC INC.
Reviewer :
Date :

ANALYTICAL RESUL
Table 1A

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SVE-2 Groundwater sample

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	MW-7			SVE-2			MW-7A			MW-7B			MW-2			MW-5			MW-20		
Sample ID :	Y16A7			Y16A8			Y16A9			Y16B0			Y16A0DL			Y16A1DL			Y16A2DL		
Collection Date :	4/29/2004			4/29/2004			4/29/2004			4/29/2004			4/28/2004			4/27/2004			4/27/2004		
Dilution Factor :	1.0			1.0			1.0			1.0			80.0			20.0			80.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		4.8JD	J		40U	U	
Ethylbenzene	0.50U	U		2.0			0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Xylenes (total)	0.50U	U		6.8			0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		18JD	J		10U	U		40U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,1,2,2-Tetrachloroeth	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2-Dibromo-3-chlorop	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2,4-Trichlorobenzen	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	
1,2,3-Trichlorobenzen	0.50U	U		0.50U	U		0.50U	U		0.50U	U		40U	U		10U	U		40U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

Case No. : 32820 SDG No. : Y16A0
Site : COOPER DRUM
Lab : A4 SCIENTIFIC INC.
Reviewer :
Date :

ANALYTICAL RESUL
Table 1A

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SVE-2 Groundwater Sample

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	MW-21			EW-1			EW-2			MW-6			SVE-2			Method Blank			Method Blank		
Sample ID :	Y16A3DL			Y16A4DL			Y16A5DL			Y16A6DL			Y16A8DL			VBLK6C			VBLK6K		
Collection Date :	4/27/2004			4/28/2004			4/28/2004			4/28/2004			4/29/2004								
Dilution Factor :	80.0			80.0			150.0			150.0			10.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluorometha	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	UJ		0.50U	UJ	
Chloromethane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.16J	J	
Vinyl Chloride	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	UJ		0.50U	U	
Bromomethane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	UJ	
Chloroethane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Trichlorofluoromethan	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	50D	J		40U	UJ		75U	UJ		75U	UJ		5.0U	UJ		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-t	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Acetone	400U	UJ		400U	UJ		750U	UJ		750U	UJ		50U	UJ		5.0U	U		5.0U	U	
Carbon Disulfide	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Methyl Acetate	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Methylene Chloride	40U	U		40U	U		75U	U		75U	U		0.80JD	J		0.50U	U		0.50U	U	
trans-1,2-Dichloroethe	22JD	J		40U	U		51JD	J		60JD	J		5.0U	U		0.50U	U		0.50U	U	
Methyl tert-Butyl Ether	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	80D			83D			280D			280D			76D			0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	490D	J		290D			1200D			1200D			5.1D			0.50U	U		0.50U	U	
2-Butanone	400U	U		400U	U		750U	U		750U	U		50U	U		5.0U	U		5.0U	U	
Bromochloromethane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	UJ	
Chloroform	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	40U	U		40U	U		75U	U		75U	U		0.60JD	J		0.50U	U		0.50U	U	
Cyclohexane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Carbon Tetrachloride	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Benzene	40U	U		40U	U		75U	U		26JD	J		5.0U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	40U	U		40U	U		75U	U		63JD	J		5.0U	U		0.50U	U		0.50U	U	
Trichloroethene	980D			790D			270D			280D			29D			0.50U	U		0.16J	J	
Methylcyclohexane	40U	U		40U	U		75U	U		75U	U		0.60JD	J		0.50U	U		0.50U	U	
1,2-Dichloropropane	14JD	J		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Bromodichloromethan	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloroproper	40U	U		40U	U		75U	U		75U	U		1.3JD	J		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	400U	U		400U	U		750U	U		750U	U		8.2JD	J		5.0U	U		5.0U	U	
Toluene	40U	U		40U	U		75U	U		75U	U		11D			0.50U	U		0.50U	U	
trans-1,3-Dichloroprop	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Tetrachloroethene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
2-Hexanone	400U	U		400U	U		750U	U		750U	U		50U	U		5.0U	U		5.0U	U	
Dibromochloromethan	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	

Case No. : 32820 SDG No. : Y16A0
Site : COOPER DRUM
Lab : A4 SCIENTIFIC INC.
Reviewer :
Date :

ANALYTICAL RESU
Table 1A

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QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

SVE-2 Groundwater Sample.

Station Location :	MW-21			EW-1			EW-2			MW-6			SVE-2			Method Blank			Method Blank		
Sample ID :	Y16A3DL			Y16A4DL			Y16A5DL			Y16A6DL			Y16A8DL			VBLK6C			VBLK6K		
Collection Date :	4/27/2004			4/28/2004			4/28/2004			4/28/2004			4/29/2004								
Dilution Factor :	80.0			80.0			150.0			150.0			10.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Ethylbenzene	40U	U		40U	U		75U	U		75U	U		1.7JD	J		0.50U	U		0.50U	U	
Xylenes (total)	40U	U		40U	U		75U	U		75U	U		4.9JD	J		0.50U	U		0.50U	U	
Styrene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Bromoform	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
Isopropylbenzene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroeth	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chlorop	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzen	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzen	40U	U		40U	U		75U	U		75U	U		5.0U	U		0.50U	U		0.50U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

URS CORPORATION
2870 Gateway Oaks Drive, Suite 300
Sacramento, CA 95833
(916) 679-2000

Chain Of Custody Record

Case #: RØ4536

Project Number:	Site Name:
18600047.03020	Cooper Drum

Sampler's signatures:

Sample Number	Sample Location	Depth	Date (MM/DD/YY)	Time (24 Hour)	Matrix	Grab	Comp	List Analytical Methods: TO-14					canister no. / Remarks
						SACODE	MET						
35543	SVE-2		3-3-04	850	GS			X					0841
35544	"		"	910	"			"					0852
35545	"		"	1020	"			"					0873
35546	"		"	1230	"			"					0874
35547	SVE-2		3-3-04	1230	GS			X					0895

Analytical Methods: List number of containers, preservative per method (e.g. for sample of 3 VOA vials with HCl, record 3;A in box)

Matrix Types: A - Air; GS- Soil Gas; GE - Gaseous Effluent; P - Product; S - Soil/Sediment/Solid; T - Tissue; W - Water; WG - Groundwater; WW - Waste Water; O - Other (specify)
MET: G - Grab; TD - Tedlar; AC - Summa

Preservation: A - HCL; B - HNO_3; C - H_2SO_4 ; D - NaOH; E - Ice; F - (specify)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	3-3-04	1630	T-FedEx: 840956064975				
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY LABORATORY: (SIGNATURE)	DATE	TIME	LAB Name and LAB Contact: Region 9	

Remarks:

COOLER ID:

SEND RESULTS TO:
☐ FAX Preliminary results: (916) 679-2900

White - Original to Accompany Samples Yellow - URS Main Office Pink - URS Field Office

No. 10457

United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street Building 201

Richmond, CA 94804

SVE-2 test

Subject: **Analytical Testing Results - Project R04S36**
SDG: 04057D

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
PMD-2

To: **Eric Yunker**
Site Cleanup Section 3
SFD-7-3

Attached are the results from the analysis of samples from the **Cooper Drum February 2004 Baseline GW Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

VOCs, Soil Gas

ppbv

10 721,630
616,900

100 445,300
440,800
450,940 dup

end

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Site Cleanup Section 3
75 Hawthorne Street
San Francisco CA, 94105

Project: Cooper Drum February 2004 Baseline GW Sampling
Project Number: R04S36
Project Manager: Eric Yunker

SDG:04057D
Reported:04/07/04 08:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
35540	0402047-01	Air	02/25/04 11:30	02/26/04 11:52
35541	0402047-02	Air	02/25/04 12:10	02/26/04 11:52
35542	0402047-03	Air	02/25/04 12:37	02/26/04 11:52
35543	0403014-01	Air	03/03/04 08:50	03/04/04 14:38
35544	0403014-02	Air	03/03/04 09:10	03/04/04 14:38
35545	0403014-03	Air	03/03/04 10:20	03/04/04 14:38
35546	0403014-04	Air	03/03/04 12:30	03/04/04 14:38
35547	0403014-05	Air	03/03/04 12:30	03/04/04 14:38

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-2 test
10 minute sample

Site Cleanup Section 3	**Project:** Cooper Drum February 2004 Baseline GW Sampling	
75 Hawthorne Street	**Project Number:** R04S36	SDG:04057D
San Francisco CA, 94105	**Project Manager:** Eric Yunker	**Reported:**04/07/04 08:44

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0403014-01 : 35543 Air Sampled: 03/03/04 08:50 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
1,1-Dichloroethane	160000		20000	ppbv	B4C0207	03/26/04	03/26/04	TO-15/SOP311
Trichloroethene	90000		20000	"	"	"	"	TO-15/SOP311
Toluene	180000		20000	"	"	"	"	TO-15/SOP311
Tetrachloroethene	230000		20000	"	"	"	"	TO-15/SOP311
0403014-01RE4 : 35543 Air Sampled: 03/03/04 08:50 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
Dichlorodifluoromethane	ND	U	1000	ppbv	B4C0209	03/29/04	03/29/04	TO-15/SOP311
1,1-Dichlorotetrafluoroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Chloromethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Vinyl chloride	600	C1, J	1000	"	"	"	"	TO-15/SOP311
Bromomethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Chloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene	580	C1, J	1000	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4300		1000	"	"	"	"	TO-15/SOP311
Dichloromethane	ND	C3, J, C4, U	1000	"	"	"	"	TO-15/SOP311
Chloroform	ND	U	1000	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene	7800		1000	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	1400		1000	"	"	"	"	TO-15/SOP311
Carbon tetrachloride	ND	U	1000	"	"	"	"	TO-15/SOP311
Benzene	630	C1, J	1000	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane	ND	U	1000	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene	ND	U	1000	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)	ND	U	1000	"	"	"	"	TO-15/SOP311
Chlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
Ethylbenzene	8900		1000	"	"	"	"	TO-15/SOP311
m&p-Xylene	28000		2100	"	"	"	"	TO-15/SOP311
o-Xylene	6700		1000	"	"	"	"	TO-15/SOP311
Styrene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene	820	C1, J	1000	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene	1900		1000	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene	ND	U	1000	"	"	"	"	TO-15/SOP311

721,630

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-2 Test 30 minute sample

Site Cleanup Section 3	**Project:** Cooper Drum February 2004 Baseline GW Sampling	
75 Hawthorne Street	**Project Number:** R04S36	**SDG:**04057D
San Francisco CA, 94105	**Project Manager:** Eric Yunker	**Reported:**04/07/04 08:44

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0403014-02 : 35544 Air Sampled: 03/03/04 09:10 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
1,1-Dichloroethane	130000		14000	ppbv	B4C0207	03/26/04	03/26/04	TO-15/SOP311
Trichloroethene	79000		14000	"	"	"	"	TO-15/SOP311
Toluene	130000		14000	"	"	"	"	TO-15/SOP311
Tetrachloroethene	180000		14000	"	"	"	"	TO-15/SOP311
m&p-Xylene	31000		28000	"	"	"	"	TO-15/SOP311
0403014-02RE3 : 35544 Air Sampled: 03/03/04 09:10 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
Dichlorodifluoromethane	ND	U	1000	ppbv	B4C0209	03/29/04	03/29/04	TO-15/SOP311
1,1-Dichlorotetrafluoroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Chloromethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Vinyl chloride	1100		1000	"	"	"	"	TO-15/SOP311
Bromomethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Chloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane	ND	U	1000	"	"	"	"	TO-15/SOP311
Dichloroethene	1200		1000	"	"	"	"	TO-15/SOP311
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8100		1000	"	"	"	"	TO-15/SOP311
Dichloromethane	ND	C3, J, C4, U	1000	"	"	"	"	TO-15/SOP311
Chloroform	ND	U	1000	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene	17000		1000	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	3600		1000	"	"	"	"	TO-15/SOP311
Carbon tetrachloride	ND	U	1000	"	"	"	"	TO-15/SOP311
Benzene	1200		1000	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane	ND	U	1000	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene	ND	U	1000	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)	ND	U	1000	"	"	"	"	TO-15/SOP311
Chlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
Ethylbenzene	16000		1000	"	"	"	"	TO-15/SOP311
o-Xylene	13000		1000	"	"	"	"	TO-15/SOP311
Styrene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane	ND	U	1000	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene	1600		1000	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene	4100		1000	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene	ND	U	1000	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene	ND	U	1000	"	"	"	"	TO-15/SOP311

616,900

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-2 test
100 minute
sample

Site Cleanup Section 3	**Project:** Cooper Drum February 2004 Baseline GW Sampling	
75 Hawthorne Street	**Project Number:** R04S36	**SDG:**04057D
San Francisco CA, 94105	**Project Manager:** Eric Yunker	**Reported:**04/07/04 08:44

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0403014-03 : 35545 Air Sampled: 03/03/04 10:20 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
1,1-Dichloroethane	93000		8300	ppbv	B4C0207	03/26/04	03/26/04	TO-15/SOP311
Trichloroethene	52000		8300	"	"	"	"	TO-15/SOP311
Toluene	94000		8300	"	"	"	"	TO-15/SOP311
Tetrachloroethene	150000		8300	"	"	"	"	TO-15/SOP311
0403014-03RE3 : 35545 Air Sampled: 03/03/04 10:20 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
Dichlorodifluoromethane	ND	U	2100	ppbv	B4C0209	03/29/04	03/29/04	TO-15/SOP311
1,1-Dichlorotetrafluoroethane	ND	U	2100	"	"	"	"	TO-15/SOP311
Chloromethane	ND	U	2100	"	"	"	"	TO-15/SOP311
Vinyl chloride	ND	U	2100	"	"	"	"	TO-15/SOP311
Bromomethane	ND	U	2100	"	"	"	"	TO-15/SOP311
Chloroethane	ND	U	2100	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane	ND	U	2100	"	"	"	"	TO-15/SOP311
1-Dichloroethene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	3000		2100	"	"	"	"	TO-15/SOP311
Dichloromethane	ND	J, C3, C4, U	2100	"	"	"	"	TO-15/SOP311
Chloroform	ND	U	2100	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene	9500		2100	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	2700		2100	"	"	"	"	TO-15/SOP311
Carbon tetrachloride	ND	U	2100	"	"	"	"	TO-15/SOP311
Benzene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane	ND	U	2100	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene	ND	U	2100	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)	ND	U	2100	"	"	"	"	TO-15/SOP311
Chlorobenzene	ND	U	2100	"	"	"	"	TO-15/SOP311
Ethylbenzene	7800		2100	"	"	"	"	TO-15/SOP311
m&p-Xylene	25000		4200	"	"	"	"	TO-15/SOP311
o-Xylene	6300		2100	"	"	"	"	TO-15/SOP311
Styrene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane	ND	U	2100	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene	2000	J	2100	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene	ND	U	2100	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene	ND	U	2100	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene	ND	U	2100	"	"	"	"	TO-15/SOP311

445,300

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-2 Test 230 minute sample

Site Cleanup Section 3
75 Hawthorne Street
San Francisco CA, 94105

Project: Cooper Drum February 2004 Baseline GW Sampling
Project Number: R04S36
Project Manager: Eric Yunker
SDG:04057D
Reported:04/07/04 08:44

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0403014-04 : 35546 Air Sampled: 03/03/04 12:30 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
1,1-Dichloroethane	65000		9500	ppbv	B4C0207	03/26/04	03/26/04	TO-15/SOP311
Trichloroethene	40000		9500	"	"	"	"	TO-15/SOP311
Toluene	93000		9500	"	"	"	"	TO-15/SOP311
Tetrachloroethene	150000		9500	"	"	"	"	TO-15/SOP311
0403014-04RE3 : 35546 Air Sampled: 03/03/04 12:30 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
Dichlorodifluoromethane	ND	U	2500	ppbv	B4C0209	03/29/04	03/29/04	TO-15/SOP311
1,1-Dichlorotetrafluoroethane	ND	U	2500	"	"	"	"	TO-15/SOP311
Chloromethane	ND	U	2500	"	"	"	"	TO-15/SOP311
Vinyl chloride	ND	U	2500	"	"	"	"	TO-15/SOP311
Bromomethane	ND	U	2500	"	"	"	"	TO-15/SOP311
Chloroethane	ND	U	2500	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane	ND	U	2500	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2000	C1, J	2500	"	"	"	"	TO-15/SOP311
Dichloromethane	ND	J, C3, C4, U	2500	"	"	"	"	TO-15/SOP311
Chloroform	ND	U	2500	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene	9900		2500	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	3200		2500	"	"	"	"	TO-15/SOP311
Carbon tetrachloride	ND	U	2500	"	"	"	"	TO-15/SOP311
Benzene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane	ND	U	2500	"	"	"	"	TO-15/SOP311
Trichloroethene	43000		2500	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane	ND	U	2500	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene	ND	U	2500	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane	ND	U	2500	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)	ND	U	2500	"	"	"	"	TO-15/SOP311
Chlorobenzene	ND	U	2500	"	"	"	"	TO-15/SOP311
Ethylbenzene	6600		2500	"	"	"	"	TO-15/SOP311
m&p-Xylene	21000		5000	"	"	"	"	TO-15/SOP311
o-Xylene	5400		2500	"	"	"	"	TO-15/SOP311
Styrene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane	ND	U	2500	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene	1700	C1, J	2500	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene	ND	U	2500	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene	ND	U	2500	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene	ND	U	2500	"	"	"	"	TO-15/SOP311

940,800 440 ppmv

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

SVE-2 1st 230 minute duplicate

Site Cleanup Section 3	**Project:** Cooper Drum February 2004 Baseline GW Sampling	
75 Hawthorne Street	**Project Number:** R04S36	**SDG:**04057D
San Francisco CA, 94105	**Project Manager:** Eric Yunker	**Reported:**04/07/04 08:44

dup

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0403014-05RE4 : 35547 Air Sampled: 03/03/04 12:30 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
1,1-Dichloroethane	77000		17000	ppbv	B4C0209	03/29/04	03/29/04	TO-15/SOP311
Trichloroethene	50000		17000	"	"	"	"	TO-15/SOP311
Toluene	100000		17000	"	"	"	"	TO-15/SOP311
Tetrachloroethene	170000		17000	"	"	"	"	TO-15/SOP311
0403014-05RE5 : 35547 Air Sampled: 03/03/04 12:30 Received: 03/04/04 14:38								
Volatile Organic Compounds by TO-15								
Dichlorodifluoromethane	ND	U	1200	ppbv	B4C0209	03/29/04	03/29/04	TO-15/SOP311
1,1-Dichlorotetrafluoroethane	ND	U	1200	"	"	"	"	TO-15/SOP311
Chloromethane	ND	U	1200	"	"	"	"	TO-15/SOP311
Vinyl chloride	ND	U	1200	"	"	"	"	TO-15/SOP311
Bromomethane	ND	U	1200	"	"	"	"	TO-15/SOP311
Chloroethane	ND	U	1200	"	"	"	"	TO-15/SOP311
Trichlorofluoromethane	ND	U	1200	"	"	"	"	TO-15/SOP311
1,1-Dichloroethene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2000		1200	"	"	"	"	TO-15/SOP311
Dichloromethane	ND	J, C3, C4, U	1200	"	"	"	"	TO-15/SOP311
Chloroform	ND	U	1200	"	"	"	"	TO-15/SOP311
cis-1,2-Dichloroethene	10000		1200	"	"	"	"	TO-15/SOP311
1,1,1-Trichloroethane	3100		1200	"	"	"	"	TO-15/SOP311
Carbon tetrachloride	ND	U	1200	"	"	"	"	TO-15/SOP311
Benzene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,2-Dichloroethane	ND	U	1200	"	"	"	"	TO-15/SOP311
1,2-Dichloropropane	ND	U	1200	"	"	"	"	TO-15/SOP311
cis-1,3-Dichloropropene	ND	U	1200	"	"	"	"	TO-15/SOP311
trans-1,3-Dichloropropene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,1,2-Trichloroethane	ND	U	1200	"	"	"	"	TO-15/SOP311
1,2-Dibromoethane (EDB)	ND	U	1200	"	"	"	"	TO-15/SOP311
Chlorobenzene	ND	U	1200	"	"	"	"	TO-15/SOP311
Ethylbenzene	7100		1200	"	"	"	"	TO-15/SOP311
m&p-Xylene	23000		2400	"	"	"	"	TO-15/SOP311
o-Xylene	5900		1200	"	"	"	"	TO-15/SOP311
Styrene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,1,2,2-Tetrachloroethane	ND	U	1200	"	"	"	"	TO-15/SOP311
1,3,5-Trimethylbenzene	840	J	1200	"	"	"	"	TO-15/SOP311
1,2,4-Trimethylbenzene	2000		1200	"	"	"	"	TO-15/SOP311
1,3-Dichlorobenzene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,4-Dichlorobenzene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,2-Dichlorobenzene	ND	U	1200	"	"	"	"	TO-15/SOP311
1,2,4-Trichlorobenzene	ND	U	1200	"	"	"	"	TO-15/SOP311
Hexachlorobutadiene	ND	U	1200	"	"	"	"	TO-15/SOP311

450,940

URS Corporation Woodward Clyde
2520 Venture Oaks Drive, Suite 250
Sacramento, CA 95833
(916) 929-2346

Chain Of Custody Record

0101062

Page 1 of 1

Project Number:	Site Name:
41F2504700.03.02000	Cooper Drum

Sampler's signatures: Don

Analytical Methods: List number of containers, preservative per method (e.g. for sample of 3 VOA vials with HCl, record 3,A in box)

Sample Number	Sample Location	Depth	Date (MM/DD/YY)	Time (24 Hour)	Matrix	Grab	Comp	List Analytical Methods: TO14						Remarks
						SACODE	MET							
-01A 21280	SVE-1		01/03/01	1014	GS	X	SA	1						
-02A 21281	SVE-1		↓	1135	GS	X		1						
-03A 21282	SVE-1		↓	1300	GS	X		1						

Matrix Types: A - Air; GS - Soil Gas; GE - Gaseous Effluent; P - Product; S - Soil/Sediment/Solid; T - Tissue; W - Water; WG - Groundwater; WW - Waste Water; O - Other (specify)
MET: G - Grab; TD - Tedlar; AC - Summa

Preservation: A - HCL; B - HNO_3; C - H_2SO_4; D - NaOH; E - Ice; F - (specify)

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
Don	1/3/01	1530	Fed ex 804672008140				
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY LABORATORY: (SIGNATURE)	DATE	TIME	LAB Name and LAB Contact: Air Toxics Attn Todd Sterling	
	1/4/01	900	Allison ATL			180 Blue Ravine #B Folsom CA 95630	

Remarks:

COOLER ID:

SEND RESULTS TO: Julie Simpson
☒ FAX Preliminary results: (916) 929-7263 or (916) 922-5008

White - Original to Accompany Samples Yellow - URSG Main Office Pink - URSG Field Office

CUSTODY SEAL INTACT? Y N ~~NONE~~ TEMP —

No. 8343

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SVE-1 1st

WORK ORDER #: 0101062

Work Order Summary

CLIENT:	Ms. Julie Simpson URS Corporation Crown Corporation Center 2870 Gateway Oaks Dr. Suite 300 Sacramento, CA 95833	**BILL TO:**	Ms. Julie Simpson URS Corporation Crown Corporation Center 2870 Gateway Oaks Dr. Suite 300 Sacramento, CA 95833
PHONE:	916-679-2000		
FAX:	916-679-2900	**P.O. #**	
DATE RECEIVED:	1/4/01	**PROJECT #**	41F2504700.03.02000 Cooper Drum Project
DATE COMPLETED:	1/18/01		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	21280	TO-14	12.5 "Hg
02A	21281	TO-14	13.0 "Hg
03A	21282	TO-14	12.0 "Hg
03AA	21282 Duplicate	TO-14	12.0 "Hg
04A	Method Spike	TO-14	NA
05A	Lab Blank	TO-14	NA

200 + 100
250 + 150

min 1,392,000 ppbv
10 848,000
100 1,162,000
1,162,000 dup

RECEIVED end
JAN 22 2001
BY:

CERTIFIED BY: for: Laboratory Director

DATE: 1-18-01

Certfication numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217, AZ ELAP - AZ0567

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

SVE-1 Test
10 minute
sample

AIR TOXICS LTD.

SAMPLE NAME: 21280

ID#: 0101062-01A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name: [illegible] Date of Collection: 10/6/1
Dil. Factor: [illegible] Date of Analysis: 10/7/1

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1500	7700	Not Detected	Not Detected
Freon 114	1500	11000	Not Detected	Not Detected
Chloromethane	1500	3200	Not Detected	Not Detected
Vinyl Chloride	1500	4000	56000	140000
Bromomethane	1500	6000	Not Detected	Not Detected
Chloroethane	1500	4100	Not Detected	Not Detected
Freon 11	1500	8800	Not Detected	Not Detected
1,1-Dichloroethene	1500	6200	5600	22000
Freon 113	1500	12000	Not Detected	Not Detected
Methylene Chloride	1500	5400	4700	16000
1,1-Dichloroethane	1500	6300	72000	290000
cis-1,2-Dichloroethene	1500	6200	430000	1700000
Chloroform	1500	7600	Not Detected	Not Detected
1,1,1-Trichloroethane	1500	8500	Not Detected	Not Detected
Carbon Tetrachloride	1500	9800	Not Detected	Not Detected
Benzene	1500	5000	9400	30000
1,2-Dichloroethane	1500	6300	3400	14000
Trichloroethene	1500	8400	39000	220000
1,2-Dichloropropane	1500	7200	4900	23000
cis-1,3-Dichloropropene	1500	7100	Not Detected	Not Detected
Toluene	1500	5900	280000	1100000
trans-1,3-Dichloropropene	1500	7100	Not Detected	Not Detected
1,1,2-Trichloroethane	1500	8500	Not Detected	Not Detected
Tetrachloroethene	1500	10000	19000	130000
Ethylene Dibromide	1500	12000	Not Detected	Not Detected
Chlorobenzene	1500	7200	1600	7400
Ethyl Benzene	1500	6800	33000	140000
m,p-Xylene	1500	6800	120000	530000
o-Xylene	1500	6800	37000	160000
Styrene	1500	6600	14000	62000
1,1,2,2-Tetrachloroethane	1500	11000	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1500	7700	3000	15000
1,2,4-Trimethylbenzene	1500	7700	7200	36000
1,3-Dichlorobenzene	1500	9400	Not Detected	Not Detected
1,4-Dichlorobenzene	1500	9400	Not Detected	Not Detected
Chlorotoluene	1500	8100	Not Detected	Not Detected
1,2-Dichlorobenzene	1500	9400	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1500	12000	Not Detected	Not Detected
Hexachlorobutadiene	1500	17000	Not Detected	Not Detected
Propylene	6100	11000	Not Detected	Not Detected
1,3-Butadiene	6100	14000	Not Detected	Not Detected
Acetone	6100	15000	90000	220000

SVE-1 Test
10 minute

AIR TOXICS LTD.

SAMPLE NAME: 21280

ID#: 0101062-01A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	[illegible]011706	Date of Collection:	[illegible]
Dil. Factor:	3070	Date of Analysis:	[illegible]

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	6100	19000	Not Detected	Not Detected
2-Propanol	6100	15000	13000	34000
trans-1,2-Dichloroethene	6100	25000	Not Detected	Not Detected
Vinyl Acetate	6100	22000	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	6100	18000	35000	110000
Hexane	6100	22000	13000	48000
Tetrahydrofuran	6100	18000	Not Detected	Not Detected
Cyclohexane	6100	21000	8300	29000
1,4-Dioxane	6100	22000	Not Detected	Not Detected
Bromodichloromethane	6100	42000	Not Detected	Not Detected
4-Methyl-2-pentanone	6100	26000	32000	130000
2-Hexanone	6100	26000	Not Detected	Not Detected
Dibromochloromethane	6100	53000	Not Detected	Not Detected
Bromoform	6100	64000	Not Detected	Not Detected
4-Ethyltoluene	6100	31000	6200	31000
Ethanol	6100	12000	Not Detected	Not Detected
Methyl tert-Butyl Ether	6100	22000	Not Detected	Not Detected
Heptane	6100	26000	55000	230000

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130

1,392,300

SVE-1 Test
90 minute sample

AIR TOXICS LTD.

SAMPLE NAME: 21281

ID#: 0101062-02A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name: 1011705 Date of Collection: 1/3/01
Dil. Factor: 1890 Date of Analysis: 1/17/01

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	940	4800	Not Detected	Not Detected
Freon 114	940	6700	Not Detected	Not Detected
Chloromethane	940	2000	Not Detected	Not Detected
Vinyl Chloride	940	2400	37000	95000
Bromomethane	940	3700	Not Detected	Not Detected
Chloroethane	940	2500	Not Detected	Not Detected
Freon 11	940	5400	Not Detected	Not Detected
1,1-Dichloroethene	940	3800	3800	15000
Freon 113	940	7400	Not Detected	Not Detected
Methylene Chloride	940	3300	1400	5200
1,1-Dichloroethane	940	3900	42000	170000
cis-1,2-Dichloroethene	940	3800	250000	1000000
Chloroform	940	4700	Not Detected	Not Detected
1,1,1-Trichloroethane	940	5200	Not Detected	Not Detected
Carbon Tetrachloride	940	6000	Not Detected	Not Detected
Benzene	940	3100	5700	19000
1,2-Dichloroethane	940	3900	2200	9000
Trichloroethene	940	5200	38000	210000
1,2-Dichloropropane	940	4400	2800	13000
cis-1,3-Dichloropropene	940	4400	Not Detected	Not Detected
Toluene	940	3600	170000	660000
trans-1,3-Dichloropropene	940	4400	Not Detected	Not Detected
1,1,2-Trichloroethane	940	5200	Not Detected	Not Detected
Tetrachloroethene	940	6500	13000	88000
Ethylene Dibromide	940	7400	Not Detected	Not Detected
Chlorobenzene	940	4400	1200	5500
Ethyl Benzene	940	4200	20000	88000
m,p-Xylene	940	4200	74000	320000
o-Xylene	940	4200	24000	100000
Styrene	940	4100	9100	39000
1,1,2,2-Tetrachloroethane	940	6600	Not Detected	Not Detected
1,3,5-Trimethylbenzene	940	4700	1500	7300
1,2,4-Trimethylbenzene	940	4700	4000	20000
1,3-Dichlorobenzene	940	5800	Not Detected	Not Detected
1,4-Dichlorobenzene	940	5800	Not Detected	Not Detected
Chlorotoluene	940	5000	Not Detected	Not Detected
1,2-Dichlorobenzene	940	5800	Not Detected	Not Detected
1,2,4-Trichlorobenzene	940	7100	Not Detected	Not Detected
Hexachlorobutadiene	940	10000	Not Detected	Not Detected
Propylene	3800	6600	Not Detected	Not Detected
1,3-Butadiene	3800	8500	Not Detected	Not Detected
Acetone	3800	9100	62000	150000

SVE-1 Test
90 minute

AIR TOXICS LTD.

SAMPLE NAME: 21281

ID#: 0101062-02A

EPA METHOD TO-14 GC/MS FULL SCAN

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	3800	12000	Not Detected	Not Detected
2-Propanol	3800	9400	5500	14000
trans-1,2-Dichloroethene	3800	15000	Not Detected	Not Detected
Vinyl Acetate	3800	14000	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3800	11000	23000	69000
Hexane	3800	14000	6500	23000
Tetrahydrofuran	3800	11000	Not Detected	Not Detected
Cyclohexane	3800	13000	3900	14000
1,4-Dioxane	3800	14000	Not Detected	Not Detected
Bromodichloromethane	3800	26000	Not Detected	Not Detected
4-Methyl-2-pentanone	3800	16000	20000	84000
2-Hexanone	3800	16000	Not Detected	Not Detected
Dibromochloromethane	3800	33000	Not Detected	Not Detected
Bromoform	3800	40000	Not Detected	Not Detected
4-Ethyltoluene	3800	19000	Not Detected	Not Detected
Ethanol	3800	7200	Not Detected	Not Detected
Methyl tert-Butyl Ether	3800	14000	Not Detected	Not Detected
Heptane	3800	16000	28000	120000

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

840,600

SVE-1 Test
180 minute
sample

AIR TOXICS LTD.

SAMPLE NAME: 21282

ID#: 0101062-03A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name: [illegible] Date of Collection: 1/3/01

Dil. Factor: [illegible] Date of Analysis: 1/9/01

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1500	7500	Not Detected	Not Detected
Freon 114	1500	10000	Not Detected	Not Detected
Chloromethane	1500	3100	Not Detected	Not Detected
Vinyl Chloride	1500	3800	42000	110000
Bromomethane	1500	5900	Not Detected	Not Detected
Chloroethane	1500	4000	Not Detected	Not Detected
Freon 11	1500	8500	Not Detected	Not Detected
1,1-Dichloroethene	1500	6000	5400	22000
Freon 113	1500	12000	Not Detected	Not Detected
Methylene Chloride	1500	5200	4100	15000
1,1-Dichloroethane	1500	6100	57000	240000
cis-1,2-Dichloroethene	1500	6000	330000	1300000
Chloroform	1500	7400	Not Detected	Not Detected
1,1,1-Trichloroethane	1500	8200	Not Detected	Not Detected
Carbon Tetrachloride	1500	9500	Not Detected	Not Detected
Benzene	1500	4800	7300	24000
1,2-Dichloroethane	1500	6100	2900	12000
Trichloroethene	1500	8100	58000	320000
1,2-Dichloropropane	1500	7000	4000	19000
cis-1,3-Dichloropropene	1500	6800	Not Detected	Not Detected
Toluene	1500	5700	220000	830000
trans-1,3-Dichloropropene	1500	6800	Not Detected	Not Detected
1,1,2-Trichloroethane	1500	8200	Not Detected	Not Detected
Tetrachloroethene	1500	10000	21000	140000
Ethylene Dibromide	1500	12000	Not Detected	Not Detected
Chlorobenzene	1500	6900	1800	8400
Ethyl Benzene	1500	6600	28000	120000
m,p-Xylene	1500	6600	100000	460000
o-Xylene	1500	6600	33000	140000
Styrene	1500	6400	14000	60000
1,1,2,2-Tetrachloroethane	1500	10000	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1500	7400	2900	14000
1,2,4-Trimethylbenzene	1500	7400	7500	38000
1,3-Dichlorobenzene	1500	9100	Not Detected	Not Detected
1,4-Dichlorobenzene	1500	9100	Not Detected	Not Detected
Chlorotoluene	1500	7800	Not Detected	Not Detected
1,2-Dichlorobenzene	1500	9100	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1500	11000	Not Detected	Not Detected
Hexachlorobutadiene	1500	16000	Not Detected	Not Detected
Propylene	5900	10000	Not Detected	Not Detected
1,3-Butadiene	5900	13000	Not Detected	Not Detected
Acetone	5900	14000	87000	210000

SVE-1 Test
180 minute

AIR TOXICS LTD.

SAMPLE NAME: 21282

ID#: 0101062-03A

EPA METHOD TO-14 GC/MS FULL SCAN

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	5900	19000	Not Detected	Not Detected
2-Propanol	5900	15000	25000	62000
trans-1,2-Dichloroethene	5900	24000	Not Detected	Not Detected
Vinyl Acetate	5900	21000	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5900	18000	35000	100000
Hexane	5900	21000	10000	38000
Tetrahydrofuran	5900	18000	Not Detected	Not Detected
Cyclohexane	5900	21000	Not Detected	Not Detected
1,4-Dioxane	5900	22000	Not Detected	Not Detected
Bromodichloromethane	5900	40000	Not Detected	Not Detected
4-Methyl-2-pentanone	5900	25000	31000	130000
2-Hexanone	5900	25000	Not Detected	Not Detected
Dibromochloromethane	5900	51000	Not Detected	Not Detected
Bromoform	5900	62000	Not Detected	Not Detected
4-Ethyltoluene	5900	30000	Not Detected	Not Detected
Ethanol	5900	11000	Not Detected	Not Detected
Methyl tert-Butyl Ether	5900	22000	Not Detected	Not Detected
Heptane	5900	25000	36000	150000

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

11.63 ppmv
1,162,900

SVE-1 Test
180 minute
(duplicate)

AIR TOXICS LTD.

SAMPLE NAME: 21282 Duplicate

ID#: 0101062-03AA

EPA METHOD TO-14 GC/MS FULL SCAN

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Freon 12	1500	7500	Not Detected	Not Detected
Freon 114	1500	10000	Not Detected	Not Detected
Chloromethane	1500	3100	Not Detected	Not Detected
Vinyl Chloride	1500	3800	42000	110000
Bromomethane	1500	5900	Not Detected	Not Detected
Chloroethane	1500	4000	Not Detected	Not Detected
Freon 11	1500	8500	Not Detected	Not Detected
1,1-Dichloroethene	1500	6000	5100	21000
Freon 113	1500	12000	Not Detected	Not Detected
Methylene Chloride	1500	5200	4400	15000
1,1-Dichloroethane	1500	6100	58000	240000
cis-1,2-Dichloroethene	1500	6000	320000	1300000
Chloroform	1500	7400	Not Detected	Not Detected
1,1,1-Trichloroethane	1500	8200	Not Detected	Not Detected
Carbon Tetrachloride	1500	9500	Not Detected	Not Detected
Benzene	1500	4800	7600	25000
1,2-Dichloroethane	1500	6100	3000	12000
Trichloroethene	1500	8100	57000	310000
1,2-Dichloropropane	1500	7000	4000	19000
cis-1,3-Dichloropropene	1500	6800	Not Detected	Not Detected
Toluene	1500	5700	220000	840000
trans-1,3-Dichloropropene	1500	6800	Not Detected	Not Detected
1,1,2-Trichloroethane	1500	8200	Not Detected	Not Detected
Tetrachloroethene	1500	10000	21000	140000
Ethylene Dibromide	1500	12000	Not Detected	Not Detected
Chlorobenzene	1500	6900	1600	7400
Ethyl Benzene	1500	6600	27000	120000
m,p-Xylene	1500	6600	100000	450000
o-Xylene	1500	6600	33000	140000
Styrene	1500	6400	14000	59000
1,1,2,2-Tetrachloroethane	1500	10000	Not Detected	Not Detected
1,3,5-Trimethylbenzene	1500	7400	2800	14000
1,2,4-Trimethylbenzene	1500	7400	7700	38000
1,3-Dichlorobenzene	1500	9100	Not Detected	Not Detected
1,4-Dichlorobenzene	1500	9100	Not Detected	Not Detected
Chlorotoluene	1500	7800	Not Detected	Not Detected
1,2-Dichlorobenzene	1500	9100	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1500	11000	Not Detected	Not Detected
Hexachlorobutadiene	1500	16000	Not Detected	Not Detected
Propylene	5900	10000	Not Detected	Not Detected
1,3-Butadiene	5900	13000	Not Detected	Not Detected
Acetone	5900	14000	88000	210000

SVE-1 Test
180 minute
(duplicate)

AIR TOXICS LTD.

SAMPLE NAME: 21282 Duplicate

ID#: 0101062-03AA

EPA METHOD TO-14 GC/MS FULL SCAN

[redacted]

Compound	Det. Limit (ppbv)	Det. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Carbon Disulfide	5900	19000	Not Detected	Not Detected
2-Propanol	5900	15000	27000	67000
trans-1,2-Dichloroethene	5900	24000	Not Detected	Not Detected
Vinyl Acetate	5900	21000	Not Detected	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5900	18000	34000	100000
Hexane	5900	21000	11000	39000
Tetrahydrofuran	5900	18000	Not Detected	Not Detected
Cyclohexane	5900	21000	Not Detected	Not Detected
1,4-Dioxane	5900	22000	Not Detected	Not Detected
Bromodichloromethane	5900	40000	Not Detected	Not Detected
4-Methyl-2-pentanone	5900	25000	31000	130000
2-Hexanone	5900	25000	Not Detected	Not Detected
Dibromochloromethane	5900	51000	Not Detected	Not Detected
Bromoform	5900	62000	Not Detected	Not Detected
4-Ethyltoluene	5900	30000	6000	30000
Ethanol	5900	11000	Not Detected	Not Detected
Methyl tert-Butyl Ether	5900	22000	Not Detected	Not Detected
Heptane	5900	25000	37000	150000

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

1,162,200