OHM Remediation Services Corp.
A Member of The IT Group

February 23, 1999

Ms. Bozier H. Demaree, Code 02R.BD
Contracting Officer
Naval Facilities Engineering Command
Southwest Division
1220 Pacific Highway
San Diego, CA 92132-5187

Attention: Ms. Lynn Hornecker, 56MC.LMH

Subject: Update of SVE Soil Gas Analytical Results for Site 24
Contract N68711-93-D-1459, Delivery Order 065, DCN SW 6433
Removal and Remedial Actions at IRP Sites, MCAS El Toro, California

Dear Ms. Hornecker:

Attached are the copies of the preliminary fax copy of the laboratory analytical results for Site 24 SVE wells. A total of 22 soil gas points analytical data are included in this package.

Also, a preliminary data table for these 22 soil gas points (24SG15, 24SG19, 24SG23, 24SG24, 24SG26, 24SG31, 24SG37, 24SG47, 24SG63, 24SG68, 24SG82, 24SG83, 24SG92, 24SG106, 24SG109, 24SG116A, 24SG127, 24SG133, 24SG136, 24SG137, 24SG138, 24SG148A) including ambient and tubing results are attached in this package.

Additional data will be submitted as it is received, but these partial package is to help expedite your review of the data.

If you have any questions or need additional copies of the report, please let me know.

Sincerely,

William Sedlak, P.E.
Sr. Project Manager

Attachment: Analytical Data Hard Copy and Tables

cc: Lucreatria Holloway, SWDIV, COTR (1C/1E)
OHM PMO File (1C/1E)
Project File, Correspondence B.01

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Date: 24-Feb-99

D.O.: 65

Location: MCAS EL TORO

FROM: Jane Franklin FOR
Stewart Bornhoft, Program Manager

Edwin G. Bond, Contracts Manager

DESCRIPTION OF ENCLOSURE: *Updated of SVE Soil Gas Analytical Results for Site 24, Removal and Remedial Actions at IRP Sites, dated February 23, 1999*

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M60050_002464
MCAS EL TORO
SSIC NO. 5090.3.A

SOIL GAS DATA COLLECTED IN DECEMBER 1998 AT INSTALLATION RESTORATION SITE 24

DATED 23 FEBRUARY 1999

THIS RECORD IS ENTERED IN THE DATABASE AND FILED AS

RECORD NO. M60050_002472

24SG15	Sample Number	18708-837	18708-838	18708-839	18708-847	18708-848	18708-849
	Date Sampled	2/16/99	2/16/99	2/16/99	2/16/99	2/16/99	2/16/99
	Sample Location	Ambient (021199A)	51.5'	Ambient (vaccum box)	74'	Ambient (021699A)	95'
Analytes	Unit						
Dichlorodifluoromethane	ppb (ug/L)	NA	ND	NA	ND	ND	ND
1,1-Dichloroethene	ppb (ug/L)	NA	ND	NA	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	NA	ND	NA	19 (0.14)	ND	64 (0.49)
Acetone	ppb (ug/L)	NA	ND	NA	17 (0.04)	13 (0.031)	28 (0.067)
Methylene Chloride	ppb (ug/L)	NA	ND	NA	ND	ND	ND
MTBE	ppb (ug/L)	NA	ND	NA	ND	ND	ND
2-Butanone	ppb (ug/L)	NA	ND	NA	ND	ND	ND
Carbon Tetrachloride	ppb (ug/L)	NA	ND	NA	3.8 (0.024)	ND	14 (0.088)
Benzene	ppb (ug/L)	NA	ND	NA	3.2 (0.01)	ND	5.6 (0.018)
Trichloroethene	ppb (ug/L)	NA	48 (0.26)	NA	ND	ND	6.5 (0.035)
Toluene	ppb (ug/L)	NA	ND	NA	6.8 (0.025)	8.3 (0.031)	8.7 (0.033)
1,1,2-Trichloroethane	ppb (ug/L)	NA	ND	NA	ND	ND	ND
Tetrachloroethene	ppb (ug/L)	NA	3.4 (0.023)	NA	15 (0.1)	8.5 (0.058)	11 (0.07)
Ethylbenzene	ppb (ug/L)	NA	ND	NA	ND	ND	3.3 (0.014)
Xylenes	ppb (ug/L)	NA	ND	NA	4.5 (0.019)	4.3 (0.019)	ND
4-Ethyltoluene	ppb (ug/L)	NA	ND	NA	ND	ND	ND
1,4-Dichlorobenzene	ppb (ug/L)	NA	ND	NA	16 (0.096)	16 (0.096)	11 (0.067)
1,3,5-Trimethylbenzene	ppb (ug/L)	NA	ND	NA	ND	ND	ND
1,2,4-Trimethylbenzene	ppb (ug/L)	NA	ND	NA	ND	ND	ND

24SG19	Sample Number	18708-815	18708-816	18708-817	18708-818	18708-819	18708-820
	Date Sampled	2/10/99	2/10/99	2/10/99	2/10/99	2/10/99	2/10/99
	Sample Location	Ambient (without tubing)	Ambient (1020999A)	50.5'	Ambient (021099A)	70'	92'
Analytes	Unit						
Dichlorodifluoromethane	ppb (ug/L)	NA	NA	ND	ND	ND	ND
1,1-Dichloroethene	ppb (ug/L)	NA	NA	ND	ND	8943 (35)	10238 (41)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	NA	NA	ND	ND	3401 (26)	8379 (64)
Acetone	ppb (ug/L)	NA	NA	ND	27 (0.064)	ND	ND
Methylene Chloride	ppb (ug/L)	NA	NA	3.1 (0.011)	3.2 (0.011)	ND	ND
MTBE	ppb (ug/L)	NA	NA	ND	ND	ND	ND
2-Butanone	ppb (ug/L)	NA	NA	ND	ND	ND	ND
Carbon Tetrachloride	ppb (ug/L)	NA	NA	ND	ND	147 (0.92)	347 (2.2)
Benzene	ppb (ug/L)	NA	NA	ND	ND	ND	ND
Trichloroethene	ppb (ug/L)	NA	NA	ND	ND	758 (4.1)	4295 (23)
Toluene	ppb (ug/L)	NA	NA	ND	6.3 (0.024)	ND	ND
1,1,2-Trichloroethane	ppb (ug/L)	NA	NA	ND	ND	ND	ND
Tetrachloroethene	ppb (ug/L)	NA	NA	ND	ND	ND	ND
Ethylbenzene	ppb (ug/L)	NA	NA	2.3 (0.01)	3.1 (0.013)	ND	ND
Xylenes	ppb (ug/L)	NA	NA	11.4 (0.05)	16 (0.07)	ND	ND
4-Ethyltoluene	ppb (ug/L)	NA	NA	ND	3.1 (0.015)	ND	ND
1,3,5-Trimethylbenzene	ppb (ug/L)	NA	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ppb (ug/L)	NA	NA	2.0 (0.01)	3.8 (0.019)	ND	ND

24SG23	Sample Number	18708-783	18708-784	18708-785	18708-786	18708-787	
	Date Sampled	2/5/99	2/5/99	2/5/99	2/5/99	2/5/99	
	Sample Location	48.5'	48.5' (duplicate)	Ambient	61.5'	94.5'	
Analytes	Unit						
Dichlorodifluoromethane	ppb (ug/L)	ND	ND	ND	ND	ND	
1,1-Dichloroethene	ppb (ug/L)	570 (2.2)	680 (2.7)	9.9 (0.039)	ND	2600 (10)	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	530 (4.0)	600 (4.6)	6.6 (0.050)	ND	1400 (11)	
Acetone	ppb (ug/L)	ND	ND	20 (0.048)	11 (0.025)	ND	
Methylene Chloride	ppb (ug/L)	ND	ND	ND	ND	ND	
MTBE	ppb (ug/L)	ND	ND	ND	ND	ND	
2-Butanone	ppb (ug/L)	ND	ND	ND	ND	ND	
Carbon Tetrachloride	ppb (ug/L)	ND	ND	ND	ND	34 (0.22)	
Benzene	ppb (ug/L)	ND	ND	ND	ND	ND	
Trichloroethene	ppb (ug/L)	65 (0.35)	300 (1.6)	40 (0.21)	3.4 (0.018)	300 (1.6)	
Toluene	ppb (ug/L)	35 (0.13)	44 (0.17)	16 (0.060)	ND	ND	
1,1,2-Trichloroethane	ppb (ug/L)	ND	ND	ND	ND	ND	
Tetrachloroethene	ppb (ug/L)	ND	ND	2.6 (0.018)	ND	ND	
Ethylbenzene	ppb (ug/L)	ND	ND	4.3 (0.018)	ND	ND	
Xylenes	ppb (ug/L)	15 (0.65)	18 (0.077)	22 (0.097)	4.2 (0.018)	ND	
4-Ethyltoluene	ppb (ug/L)	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	ppb (ug/L)	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	ppb (ug/L)	ND	ND	3.4 (0.017)	ND	ND	

24SG24	Sample Number	18233-043	18233-044	18233-045	18233-046	
	Date Sampled	2/1/99	2/1/99	2/1/99	2/1/99	
	Sample Location	Ambient	53'	75'	95.5'	
Analytes	Unit					
Dichlorodifluoromethane	ppbv (ug/L)	ND	ND	ND	ND	
1,1-Dichloroethene	ppbv (ug/L)	ND	ND	2600 (10.2)	40 (0.16)	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	ND	3700 (27.9)	76 (0.58)	
Acetone	ppbv (ug/L)	18 (0.043)	13 (0.030)	ND	22J (0.053J)	
Methylene Chloride	ppbv (ug/L)	ND	ND	ND	2.2J (0.0075J)	
MTBE	ppbv (ug/L)	ND	ND	ND	ND	
2-Butanone	ppbv (ug/L)	ND	ND	ND	ND	
Carbon Tetrachloride	ppbv (ug/L)	ND	ND	79 (0.50)	2 (0.013)	
Benzene	ppbv (ug/L)	ND	ND	ND	ND	
Trichloroethene	ppbv (ug/L)	2.9 (0.015)	ND	440 (2.35)	26 (0.14)	
Toluene	ppbv (ug/L)	11 (0.041)	13 (0.05)	ND	41 (0.15)	
1,1,2-Trichloroethane	ppbv (ug/L)	ND	ND	ND	ND	
Tetrachloroethene	ppbv (ug/L)	ND	ND	ND	2.3 (0.015)	
Ethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	
Xylenes	ppbv (ug/L)	7.9 (0.034)	3 (0.013)	ND	4.7 (0.02)	
4-Ethyltoluene	ppbv (ug/L)	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	ppbv (ug/L)	2.6 (0.013)	ND	ND	ND	

24SG26	Sample Number	18233-001	18233-002	18233-003	18708-004	
	Date Sampled	1/19/99	1/19/99	1/19/99	1/19/99	
	Sample Location	Tubing QC	Ambient	71.5'-72'	94.5'-95'	
Analytes	Unit					
Dichlorodifluoromethane	ppb (ug/L)	2 (0.01)	ND	ND	ND	
1,1-Dichloroethene	ppb (ug/L)	ND	ND	1000 (4.0)	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	ND	ND	83000 (638)	4.7 (0.036)	
Acetone	ppb (ug/L)	150 (0.354)	46 (11)	ND	14 (0.034)	
Methylene Chloride	ppb (ug/L)	9.6 (0.0334)	3J (0.0104)	ND	ND	
MTBE	ppb (ug/L)	59	11 (0.04)	ND	ND	
2-Butanone	ppb (ug/L)	12 (0.034)	ND	ND	ND	
Benzene	ppb (ug/L)	12 (0.036)	4.2 (0.0134)	ND	ND	
Trichloroethene	ppb (ug/L)	ND	ND	3700 (20)	10 (0.056)	
Toluene	ppb (ug/L)	51 (0.193)	38 (0.145)	ND	15 (0.056)	
1,1,2-Trichloroethane	ppb (ug/L)	ND	ND	ND	ND	
Tetrachloroethene	ppb (ug/L)	15 (1.0)	12 (0.084)	ND	5 (0.034)	
Ethylbenzene	ppb (ug/L)	12 (0.0522)	11 (0.048)	ND	3.5 (0.015)	
Xylenes	ppb (ug/L)	62 (0.267)	58 (0.25)	ND	20 (0.085)	
4-Ethyltoluene	ppb (ug/L)	9.6	9.3 (0.046)	ND	3.9 (0.0191)	
1,3,5-Trimethylbenzene	ppb (ug/L)	3.4	3.2 (0.016)	ND	ND	
1,2,4-Trimethylbenzene	ppb (ug/L)	11	10 (0.051)	ND	ND	

24SG31	Sample Number	18708-775	18708-776	18708-777	18708-778
	Date Sampled	2/4/99	2/4/99	2/4/99	2/4/99
	Sample Location	Ambient	47.5'	70'	95.5'
Analytes	Unit				
Dichlorodifluoromethane	ppb (ug/L)	ND	ND	ND	ND
1,1-Dichloroethene	ppb (ug/L)	ND	300 (1.2)	1100 (4.4)	6200 (25)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	ND	190 (1.5)	970 (7.4)	4900 (38)
Acetone	ppb (ug/L)	36J (0.086J)	79 (0.19)	110J (0.27J)	ND
Methylene Chloride	ppb (ug/L)	ND	ND	ND	ND
MTBE	ppb (ug/L)	10J (0.037J)	ND	ND	ND
2-Butanone	ppb (ug/L)	ND	ND	ND	ND
Carbon Tetrachloride	ppb (ug/L)	ND	17 (0.11)	89 (0.56)	350 (2.2)
Benzene	ppb (ug/L)	ND	6.2J (0.02J)	ND	ND
Trichloroethene	ppb (ug/L)	ND	87 (0.47)	400 (2.2)	2300 (12)
Toluene	ppb (ug/L)	40 (0.15)	28 (0.1)	50 (0.19)	ND
1,1,2-Trichloroethane	ppb (ug/L)	ND	ND	ND	ND
Tetrachloroethene	ppb (ug/L)	ND	ND	ND	ND
Ethylbenzene	ppb (ug/L)	5.9 (0.025)	4.7 (0.02)	ND	ND
Xylenes	ppb (ug/L)	31 (0.13)	24 (0.1)	ND	ND
4-Ethyltoluene	ppb (ug/L)	3.1 (0.015)	ND	ND	ND
1,3,5-Trimethylbenzene	ppb (ug/L)	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ppb (ug/L)	4 (0.02)	ND	ND	ND

24SG37

	Sample Number	18233-038	18233-039	18233-040	18233-041	18233-042
	Date Sampled	1/29/99	1/29/99	1/29/99	1/29/99	1/29/99
	Sample Location	Ambient	49'	68'	Ambient (new tubing)	92'
Analytes	Unit					
1,1-Dichloroethane	ppbv (ug/L)	ND	ND	70 (0.28))	2.1 (0.008)	150 (0.62)
1,1-Dichloroethene	ppbv (ug/L)	ND	ND	310 (1.22)	5.1 (0.02)	3900 (15.3)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	ND	26 (0.2)	ND	680 (5.19)
Acetone	ppbv (ug/L)	14 (0.034)	25 (0.06)	32J (0.077)	25 (0.058)	ND
Methylene Chloride	ppbv (ug/L)	2.1J (0.0071J)	3.1J (0.011J)	15J (0.053)	2.5J (0.0086J)	ND
MTBE	ppbv (ug/L)	ND	13 (0.045)	ND	ND	ND
cis-1,2-Dichloroethene	ppbv (ug/L)	ND	ND	14 (0.054)	ND	ND
Benzene	ppbv (ug/L)	2.2J (0.0071J)	4.2J (0.013J)	8.4J (0.027J)	2.2J (0.007J)	ND
1,2-Dichloroethane	ppbv (ug/L)	ND	ND	27J (0.11)	2.2J (0.009J)	ND
Trichloroethene	ppbv (ug/L)	2 (0.0106)	ND	220 (1.21)	49 (0.26)	3700 (19.7)
Toluene	ppbv (ug/L)	8.1 (0.03)	36 (0.14)	46 (0.17)	11 (0.04)	ND
Chloroform	ppbv (ug/L)	ND	ND	32 (0.16)	ND	67 (0.33)
Tetrachloroethene	ppbv (ug/L)	ND	3 (0.021)	ND	ND	ND
Ethylbenzene	ppbv (ug/L)	ND	2.4 (0.032)	ND	ND	ND
Xylenes	ppbv (ug/L)	4.5 (0.02)	10 (0.012)	6.4 (0.028)	3.5 (0.015)	ND
Carbon Tetrachloride	ppbv (ug/L)	ND	ND	ND	ND	73 (0.46)
1,2,4-Trimethylbenzene	ppbv (ug/L)	ND	2.2 (0.011)	ND	ND	ND

24SG47	Sample Number	18233-050	18233-051	18233-052	18233-053
	Date Sampled	2/2/99	2/2/99	2/2/99	2/2/99
	Sample Location	Ambient	35'	71.5'	94'
Analytes	Unit				
1,1-Dichloroethane	ppbv (ug/L)	ND	ND	ND	ND
1,1-Dichloroethene	ppbv (ug/L)	ND	150 (0.60)	ND	3200 (12.5)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	4.2 (0.032)	130 (0.99)	ND	1800 (13.8)
Acetone	ppbv (ug/L)	41 (0.098)	66 (0.16)	30 (0.071)	ND
Methylene Chloride	ppbv (ug/L)	2.6 (0.009)	27 (0.094)	2.1 (0.0072)	ND
MTBE	ppbv (ug/L)	19J (0.069)	ND	ND	ND
cis-1,2-Dichloroethene	ppbv (ug/L)	ND	ND	ND	ND
Benzene	ppbv (ug/L)	3.6J (0.011J)	ND	3.2J (0.01J)	ND
1,2-Dichloroethane	ppbv (ug/L)	ND	ND	ND	ND
Trichloroethene	ppbv (ug/L)	ND	1100 (6.1)	34 (0.185)	6400 (34.6)
Toluene	ppbv (ug/L)	23 (0.086)	35 (0.13)	58 (0.22)	ND
Chloroform	ppbv (ug/L)	ND	58 (0.285)	ND	73 (0.358)
Tetrachloroethene	ppbv (ug/L)	4.1 (0.028)	ND	3 (0.02)	ND
Ethylbenzene	ppbv (ug/L)	9.7 (0.042)	11 (0.048)	7.1 (0.031)	ND
Xylenes	ppbv (ug/L)	49 (0.213)	52 (0.22)	36 (0.154)	ND
4-Ethyltoluene	ppbv (ug/L)	3.5 (0.017)	ND	3.4 (0.017)	ND
Carbon Tetrachloride	ppbv (ug/L)	ND	ND	ND	160 (1.02)
1,2,4-Trimethylbenzene	ppbv (ug/L)	3.8 (0.019)	ND	4.1 (0.02)	ND

24SG63	Sample Number	18708-821	18708-822	18708-823	18708-824	18708-825	18708-826
	Date Sampled	2/11/99	2/11/99	2/11/99	2/11/99	2/11/99	2/11/99
	Sample Location	Ambient (020899A)	Ambient (vaccum box)	49'	Ambient (021199A)	75.5'	96'
Analytes	Unit						
1,1-Dichloroethane	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ppbv (ug/L)	ND	ND	4.5 (0.018)	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	ND	ND	ND	ND	91 (0.70)
Acetone	ppbv (ug/L)	15 (0.035)	ND	72 (0.17)	27 (0.064)	23 (0.054)	61 (0.14)
Methylene Chloride	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
MTBE	ppbv (ug/L)	ND	ND	ND	ND	ND	23 (0.083)
cis-1,2-Dichloroethene	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
2-Butanone	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
Benzene	ppbv (ug/L)	ND	ND	6.6J (0.021J)	ND	ND	3.1J (0.01)
1,2-Dichloroethane	ppbv (ug/L)	ND	ND	83 (0.33)	7.7 (0.031)	ND	ND
Trichloroethene	ppbv (ug/L)	ND	ND	5.6 (0.023)	2.3 (0.013)	ND	ND
Toluene	ppbv (ug/L)	25 (0.093)	ND	24 (0.09)	14 (0.053)	6.1 (0.023)	9.1 (0.034)
Chloroform	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ppbv (ug/L)	ND	ND	2.9 (0.016)	2.7 (0.015)	ND	ND
Tetrachloroethene	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
Ethylbenzene	ppbv (ug/L)	4.9 (0.021)	ND	5.0 (0.022)	3.2 (0.014)	ND	ND
Xylenes	ppbv (ug/L)	21 (0.090)	ND	20 (0.088)	13 (0.057)	2.7 (0.012)	3.1 (0.013)
Carbon Tetrachloride	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ppbv (ug/L)	32 (0.19)	ND	33 (0.2)	27 (0.16)	5.1 (0.03)	6.1 (0.037)
1,4-Dichlorobenzene	ppbv (ug/L)	ND	ND	2.0 (0.012)	ND	ND	ND

24SG68	Sample Number	18233-033	18233-034	18233-035	18233-036	18233-037	
	Date Sampled	1/28/99	1/28/99	1/28/99	1/28/99	1/28/99	
	Sample Location	Ambient	51'	Ambient (new tubing)	69.5'	92'	
Analytes	Unit						
1,1-Dichloroethane	ppbv (ug/L)	ND	ND	ND	ND	ND	
1,1-Dichloroethene	ppbv (ug/L)	ND	ND	ND	ND	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	34	13	34	7.1	26 (0.20)	
Acetone	ppbv (ug/L)	20	15	26	14	ND	
Methylene Chloride	ppbv (ug/L)	ND	ND	8.1	3.6	ND	
MTBE	ppbv (ug/L)	ND	ND	17	ND	ND	
cis-1,2-Dichloroethene	ppbv (ug/L)	ND	ND	ND	ND	ND	
2-Butanone	ppbv (ug/L)	ND	ND	11	ND	ND	
Benzene	ppbv (ug/L)	ND	ND	7.7J	2.4J	ND	
1,2-Dichloroethane	ppbv (ug/L)	ND	ND	ND	ND	ND	
Trichloroethene	ppbv (ug/L)	120	29	100	5.2	120 (0.64)	
Toluene	ppbv (ug/L)	ND	6.7	45	72	89 (0.34)	
Chloroform	ppbv (ug/L)	ND	ND	ND	ND	ND	
Tetrachloroethene	ppbv (ug/L)	4.1	ND	2.2	ND	2400 (16.4)	
Ethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	ND	
Xylenes	ppbv (ug/L)	2.8	ND	ND	4.8	ND	
Carbon Tetrachloride	ppbv (ug/L)	2.4	ND	2.1	ND	ND	
1,2,4-Trimethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	ND	

24SG82	Sample Number	18233-026	18233-027	18233-028	
	Date Sampled	1/27/99	1/27/99	1/27/99	
	Sample Location	Ambient	75'	94.5'	
Analytes	Unit				
1,1-Dichloroethene	ppbv (ug/L)	ND	ND	284 (1.12)	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	ND	1423 (10.9)	
Acetone	ppbv (ug/L)	26 (0.062)	15 (0.036)	ND	
Methylene Chloride	ppbv (ug/L)	2.2 (0.0075)	ND	ND	
Trichloroethene	ppbv (ug/L)	2.4 (0.013)	ND	630 (3.38)	
Toluene	ppbv (ug/L)	26 (0.098)	6.8 (0.025)	ND	
Tetrachloroethene	ppbv (ug/L)	3.9 (0.026)	ND	ND	
Ethylbenzene	ppbv (ug/L)	2.22 (0.01)	ND	ND	
Xylenes	ppbv (ug/L)	11.5 (0.05)	ND	ND	
4-Ethyl toluene	ppbv (ug/L)	2.57 (0.013)	ND	ND	
1,2,4-Trimethylbenzene	ppbv (ug/L)	3.27 (0.016)	ND	ND	

24SG83	Sample Number	18233-023	18233-024	18233-025	
	Date Sampled	1/27/99	1/27/99	1/27/99	
	Sample Location	Ambient	75'	96'	
Analytes	Unit				
1,1-Dichloroethene	ppbv (ug/L)	ND	296 (1.17)	636 (2.52)	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	1724 (13.2)	1939 (14.8)	
Acetone	ppbv (ug/L)	15 (0.035)	ND	ND	
Carbon Tetrachloride	ppbv (ug/L)	ND	51 (0.32)	54 (0.34)	
Trichloroethene	ppbv (ug/L)	ND	689 (3.7)	599 (3.21)	
Toluene	ppbv (ug/L)	13 (0.049)	ND	ND	
Tetrachloroethene	ppbv (ug/L)	2.3 (0.016)	ND	ND	
Xylenes	ppbv (ug/L)	8.2 (0.035)	ND	ND	
1,2,4-Trimethylbenzene	ppbv (ug/L)	2.3 (0.011)	ND	ND	

24SG92	Sample Number	18708-810	18708-811	18708-812	18708-813	18708-814
	Date Sampled	2/9/99	2/9/99	2/9/99	2/9/99	2/9/99
	Sample Location	Ambient (020999A)	47'	71'	93.5'	93.5' (duplicate)
Analytes	Unit					
Dichlorodifluoromethane	ppb (ug/L)	ND	ND	ND	ND	ND
1,1-Dichloroethene	ppb (ug/L)	ND	45J (0.18J)	ND	193J (0.76J)	199J (0.79)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	ND	1838 (14)	ND	4639 (35.5)	5050 (39)
Acetone	ppb (ug/L)	16 (0.038)	ND	13 (0.031)	291 (0.69)	268 (0.63)
Methylene Chloride	ppb (ug/L)	ND	ND	4.4 (0.015)	ND	ND
MTBE	ppb (ug/L)	ND	ND	ND	ND	ND
2-Butanone	ppb (ug/L)	ND	ND	ND	ND	ND
Chloroform	ppb (ug/L)	ND	ND	ND	ND	ND
1,1,1-Trichloroethene	ppb (ug/L)	ND	ND	ND	ND	ND
Carbon Tetrachloride	ppb (ug/L)	ND	14 (0.085)	ND	52 (0.33)	93 (0.58)
Benzene	ppb (ug/L)	ND	ND	ND	ND	ND
Trichloroethene	ppb (ug/L)	ND	189 (1.01)	3.3 (0.018)	317 (1.7)	1685 (9.0)
Toluene	ppb (ug/L)	6.6 (0.025)	ND	ND	ND	ND
1,1,2-Trichloroethane	ppb (ug/L)	ND	ND	ND	ND	ND
Tetrachloroethene	ppb (ug/L)	ND	ND	ND	ND	ND
Ethylbenzene	ppb (ug/L)	5.7 (0.025)	ND	2.5 (0.011)	ND	ND
Xylenes	ppb (ug/L)	30 (0.13)	17 (0.07)	12 (0.052)	ND	ND
4-Ethyltoluene	ppb (ug/L)	4 (0.02)	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ppb (ug/L)	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ppb (ug/L)	5.3 (0.026)	ND	ND	ND	ND

24SG106	Sample Number	18233-005	18233-006	18233-007				
	Date Sampled	1/20/99	1/20/99	1/20/99				
	Sample Location	Ambient	72'	90'				
Analytes	Unit							
Dichlorodifluoromethane	ppb (ug/L)	ND	ND	ND				
1,1-Dichloroethene	ppb (ug/L)	ND	17 (0.066)	57 (0.23)				
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb (ug/L)	ND	190 (1.4)	1400 (10)				
Acetone	ppb (ug/L)	47 (0.11)	52 (1.4)	130 (0.31)				
Methylene Chloride	ppb (ug/L)	2.9 (0.010)	74 (0.26)	64 (0.22)				
MTBE	ppb (ug/L)	11 (0.04)	ND	ND				
2-Butanone	ppb (ug/L)	ND	ND	ND				
Chloroform	ppb (ug/L)	ND	13 (0.065)	27 (0.13)				
1,1,1-Trichloroethene	ppb (ug/L)	ND	ND	ND				
Benzene	ppb (ug/L)	4.6J (0.015J)	ND	ND				
Trichloroethene	ppb (ug/L)	2.1 (0.011)	680 (3.6)	2300 (12)				
Toluene	ppb (ug/L)	31 (0.12)	32 (0.12)	ND				
1,1,2-Trichloroethane	ppb (ug/L)	ND	ND	ND				
Tetrachloroethene	ppb (ug/L)	7.8 (0.053)	8.1 (0.055)	ND				
Ethylbenzene	ppb (ug/L)	6.4 (0.028)	ND	ND				
Xylenes	ppb (ug/L)	31 (0.13)	20 (0.086)	ND				
4-Ethyltoluene	ppb (ug/L)	4.7 (0.023)	ND	ND				
1,3,5-Trimethylbenzene	ppb (ug/L)	ND	ND	ND				
1,2,4-Trimethylbenzene	ppb (ug/L)	5.4 (0.027)	ND	ND				

24SG109	Sample Number	18233-054	18233-055
	Date Sampled	2/3/99	2/3/99
	Sample Location	Ambient	50'
Analytes	Unit		
Dichlorodifluoromethane	ppb	ND	ND
1,1-Dichloroethene	ppb	ND	100 (0.41)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb	ND	1500 (11.4)
Acetone	ppb	44 (0.104)	ND
Methylene Chloride	ppb	ND	ND
MTBE	ppb	12 (0.043)	ND
2-Butanone	ppb	ND	ND
Chloroform	ppb	ND	ND
1,1,1-Trichloroethene	ppb	ND	ND
Benzene	ppb	2.3 (0.007)	ND
Trichloroethene	ppb	ND	22 (0.12)
Toluene	ppb	49 (0.18)	ND
1,1,2-Trichloroethane	ppb	ND	ND
Tetrachloroethene	ppb	2.7 (0.018)	ND
Ethylbenzene	ppb	12 (0.053)	ND
Xylenes	ppb	64 (0.28)	23 (0.1)
4-Ethyltoluene	ppb	5.2 (0.026)	ND
1,3,5-Trimethylbenzene	ppb	ND	ND
1,2,4-Trimethylbenzene	ppb	5.1 (0.025)	ND

24SG116A

	Sample Number	18708-856	18708-857	18708-858	18708-859	18708-860		
	Date Sampled	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99		
	Sample Location	Ambient (021699B)	43.5'	73'	95'	Ambient (vaccum box)		
Analytes	Unit							
Dichlorodifluoromethane	ppb	ND	ND	ND	ND	NA		
1,1-Dichloroethene	ppb	ND	ND	ND	ND	NA		
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb	ND	76214 (583)	ND	302 (2.3)	NA		
Acetone	ppb	16 (0.038)	ND	14 (0.034)	79J (0.19J)	NA		
Methylene Chloride	ppb	3.3J (0.011J)	ND	4.4 (0.015)	ND	NA		
MTBE	ppb	ND	ND	ND	ND	NA		
2-Butanone	ppb	ND	ND	ND	ND	NA		
Chloroform	ppb	ND	ND	ND	ND	NA		
1,1,1-Trichloroethene	ppb	ND	ND	ND	ND	NA		
Benzene	ppb	ND	ND	ND	ND	NA		
Trichloroethene	ppb	ND	ND	ND	ND	NA		
Toluene	ppb	6.3 (0.024)	ND	8.5 (0.032)	9.3 (0.035)	NA		
1,1,2-Trichloroethane	ppb	ND	ND	ND	ND	NA		
Tetrachloroethene	ppb	ND	ND	ND	ND	NA		
Ethylbenzene	ppb	ND	ND	ND	ND	NA		
Xylenes	ppb	3.8 (0.017)	ND	ND	2.7 (0.012)	NA		
4-Ethyltoluene	ppb	8.5 (0.042)	ND	5.4 (0.027)	2.6 (0.013)	NA		
1,3,5-Trimethylbenzene	ppb	4.8 (0.024)	ND	3.0 (0.015)	ND	NA		
1,2,4-Trimethylbenzene	ppb	9 (0.044)	ND	6 (0.029)	3.0 (0.015)	NA		

24SG127	Sample Number	18708-798	18708-799	18708-800	18708-801	
	Date Sampled	2/8/99	2/8/99	2/8/99	2/8/99	
	Sample Location	Ambient	50.5'	69'	95'	
Analytes	Unit					
Dichlorodifluoromethane	ppb	ND	ND	ND	ND	
1,1-Dichloroethene	ppb	ND	ND	54J (0.21J)	173 (0.68)	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppb	ND	7283 (56)	7233 (55)	9595 (73)	
Acetone	ppb	27 (0.06)	ND	ND	ND	
Methylene Chloride	ppb	ND	ND	ND	ND	
MTBE	ppb	10 (0.036)	ND	ND	ND	
2-Butanone	ppb	ND	ND	ND	ND	
Chloroform	ppb	ND	ND	ND	ND	
1,1,1-Trichloroethene	ppb	ND	ND	ND	ND	
Benzene	ppb	ND	ND	ND	ND	
Trichloroethene	ppb	ND	896 (4.8)	689 (3.7)	1117 (6)	
Toluene	ppb	9.8 (0.037)	ND	ND	ND	
1,1,2-Trichloroethane	ppb	ND	ND	ND	ND	
Tetrachloroethene	ppb	2.1 (0.014)	ND	ND	ND	
Ethylbenzene	ppb	6.8 (0.03)	ND	ND	ND	
Xylenes	ppb	35.6 (0.15)	ND	ND	ND	
4-Ethyltoluene	ppb	3.1 (0.015)	ND	ND	ND	
1,3,5-Trimethylbenzene	ppb	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	ppb	3.7 (0.018)	ND	ND	ND	

24SG133	Sample Number	18708-793	18708-794	18708-795	18708-796	18708-797
	Date Sampled	2/8/99	2/8/99	2/8/99	2/8/99	2/8/99
	Sample Location	Ambient	50'	72.5'	Ambient (new tubing)	89.5'
Analytes	Unit					
Dichlorodifluoromethane	ppbv (ug/L)	ND	ND	ND	ND	ND
1,1-Dichloroethene	ppbv (ug/L)	ND	108J (0.43J)	179J (0.71J)	ND	240J (0.95J)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	4943 (38)	8252 (63)	76 (0.58)	11076 (85)
Acetone	ppbv (ug/L)	11 (0.025)	ND	ND	ND	ND
Methylene Chloride	ppbv (ug/L)	ND	ND	ND	ND	ND
MTBE	ppbv (ug/L)	ND	ND	ND	ND	ND
2-Butanone	ppbv (ug/L)	ND	ND	ND	ND	ND
Chloroform	ppbv (ug/L)	ND	ND	ND	ND	ND
1,1,1-Trichloroethene	ppbv (ug/L)	ND	ND	ND	ND	ND
Carbon Tetrachloride	ppbv (ug/L)	ND	38 (0.24)	56 (0.35)	3.8 (0.024)	67 (0.42)
Benzene	ppbv (ug/L)	ND	ND	ND	ND	ND
Trichloroethene	ppbv (ug/L)	ND	393 (2.1)	462 (2.5)	200 (1.1)	526 (2.8)
Toluene	ppbv (ug/L)	5.3 (0.02)	ND	ND	5.9 (0.022)	ND
1,1,2-Trichloroethane	ppbv (ug/L)	ND	ND	ND	ND	ND
Tetrachloroethene	ppbv (ug/L)	ND	ND	ND	ND	ND
Ethylbenzene	ppbv (ug/L)	3.1 (0.014)	ND	ND	ND	ND
Xylenes	ppbv (ug/L)	17 (0.075)	ND	ND	10 (0.044)	ND
4-Ethyltoluene	ppbv (ug/L)	2.5 (0.012)	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ppbv (ug/L)	3.1 (0.015)	ND	ND	2.5 (0.012)	ND

24SG136	Sample Number	18233-047	18233-048	18233-049	
	Date Sampled	2/1/99	2/1/99	2/1/99	
	Sample Location	Ambient	46.5'	46.5' (duplicate)	
Analytes	Unit				
Dichlorodifluoromethane	ppbv (ug/L)	ND	ND	ND	
1,1-Dichloroethene	ppbv (ug/L)	ND	ND	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	110000 (876)	120000 (951)	
Acetone	ppbv (ug/L)	28 (0.067)	ND	ND	
Methylene Chloride	ppbv (ug/L)	2.8J (0.01J)	ND	ND	
MTBE	ppbv (ug/L)	ND	ND	ND	
2-Butanone	ppbv (ug/L)	ND	ND	ND	
Chloroform	ppbv (ug/L)	ND	ND	ND	
1,1,1-Trichloroethene	ppbv (ug/L)	ND	ND	ND	
Carbon Tetrachloride	ppbv (ug/L)	ND	ND	ND	
Benzene	ppbv (ug/L)	2.6J (0.0084)	ND	ND	
Trichloroethene	ppbv (ug/L)	2.1 (0.012)	ND	ND	
Toluene	ppbv (ug/L)	41 (0.16)	ND	ND	
1,1,2-Trichloroethane	ppbv (ug/L)	ND	ND	ND	
Tetrachloroethene	ppbv (ug/L)	2.2 (0.015)	ND	ND	
Ethylbenzene	ppbv (ug/L)	ND	ND	ND	
Xylenes	ppbv (ug/L)	7.6 (0.033)	ND	ND	
4-Ethyltoluene	ppbv (ug/L)	2.1 (0.010)	ND	ND	
1,3,5-Trimethylbenzene	ppbv (ug/L)	ND	ND	ND	
1,2,4-Trimethylbenzene	ppbv (ug/L)	3 (0.014)	ND	ND	

24SG137	Sample Number	18708-850	18708-851	18708-852	18708-853	18708-854	18708-855
	Date Sampled	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99	2/17/99
	Sample Location	Ambient (vaccum box)	Ambient (021699A)	48'	76'	Ambient (021099A)	97'
Analytes	Unit						
Dichlorodifluoromethane	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
1,1-Dichloroethene	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	NA	ND	ND	61935 (474)	NA	14 (0.10)
Acetone	ppbv (ug/L)	NA	13 (0.031)	ND	ND	NA	ND
Methylene Chloride	ppbv (ug/L)	NA	3.4 (0.012)	2 (0.007)	ND	NA	ND
MTBE	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
2-Butanone	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Chloroform	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
1,1,1-Trichloroethene	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Carbon Tetrachloride	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Benzene	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Trichloroethene	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Toluene	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
1,1,2-Trichloroethane	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Tetrachloroethene	ppbv (ug/L)	NA	ND	ND	ND	NA	ND
Ethylbenzene	ppbv (ug/L)	NA	ND	ND	ND	NA	2.6 (0.012)
Xylenes	ppbv (ug/L)	NA	4.9 (0.021)	2.5 (0.011)	ND	NA	16.5 (0.071)
4-Ethyltoluene	ppbv (ug/L)	NA	ND	ND	ND	NA	32 (0.16)
1,3-Dichlorobenzene	ppbv (ug/L)	NA	17 (0.10)	2.9 (0.017)	ND	NA	ND
1,3,5-Trimethylbenzene	ppbv (ug/L)	NA	ND	ND	ND	NA	21 (0.10)
1,2,4-Trimethylbenzene	ppbv (ug/L)	NA	ND	ND	ND	NA	31 (0.15)

24SG138	Sample Number	18233-029	18233-030	18233-031	18233-032	
	Date Sampled	1/28/99	1/28/99	1/28/99	1/28/99	
	Sample Location	Ambient	51'	81'	81' (duplicate)	
Analytes	Unit					
Dichlorodifluoromethane	ppbv (ug/L)	ND	ND	ND	ND	
1,1-Dichloroethene	ppbv (ug/L)	ND	230J (0.89J)	ND	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	ND	40000 (300)	46 (0.35)	50 (0.38)	
Acetone	ppbv (ug/L)	16 (0.037)	ND	15 (0.036)	16 (0.039)	
Methylene Chloride	ppbv (ug/L)	ND	ND	ND	ND	
MTBE	ppbv (ug/L)	ND	ND	ND	ND	
2-Butanone	ppbv (ug/L)	ND	ND	ND	ND	
Chloroform	ppbv (ug/L)	ND	ND	ND	ND	
1,1,1-Trichloroethene	ppbv (ug/L)	ND	ND	ND	ND	
Carbon Tetrachloride	ppbv (ug/L)	ND	630	3.4 (0.022)	4.1 (0.026)	
Benzene	ppbv (ug/L)	ND	ND	ND	ND	
Trichloroethene	ppbv (ug/L)	ND	9700 (52)	250 (1.3)	260 (1.4)	
Toluene	ppbv (ug/L)	10 (0.039)	ND	6.7 (0.025)	6.5 (0.024)	
1,1,2-Trichloroethane	ppbv (ug/L)	ND	ND	ND	ND	
Tetrachloroethene	ppbv (ug/L)	3.2 (0.021)	ND	4.2 (0.029)	4.2 (0.029)	
Ethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	
Xylenes	ppbv (ug/L)	9.6 (0.041)	ND	ND	ND	
4-Ethyltoluene	ppbv (ug/L)	2.6 (0.013)	ND	ND	ND	
1,3,5-Trimethylbenzene	ppbv (ug/L)	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	ppbv (ug/L)	3.5 (0.017)	ND	ND	ND	

24SG148A	Sample Number	18708-827	18708-828	18708-829	18708-830	18708-831
	Date Sampled	2/12/99	2/12/99	2/12/99	2/12/99	2/12/99
	Sample Location	Ambient (vaccum box)	Ambient (020999A)	44'	71' (021199A)	71' (duplicate)
Analytes	Unit					
Dichlorodifluoromethane	ppbv (ug/L)	NA	ND	ND	ND	ND
1,1-Dichloroethene	ppbv (ug/L)	NA	ND	19 (0.08)	22 (0.09)	29 (0.12)
1,1,2-Trichloro-1,2,2-trifluoroethane	ppbv (ug/L)	NA	ND	37 (0.28)	44 (0.34)	57 (0.44)
Acetone	ppbv (ug/L)	NA	11 (0.03)	30 (0.07)	ND	ND
Methylene Chloride	ppbv (ug/L)	NA	ND	ND	8.1 (0.03)	13 (0.04)
MTBE	ppbv (ug/L)	NA	ND	ND	ND	ND
2-Butanone	ppbv (ug/L)	NA	ND	ND	ND	ND
Chloroform	ppbv (ug/L)	NA	ND	598E (2.9E)	614 (3)	885 (4.3)
1,1,1-Trichloroethene	ppbv (ug/L)	NA	ND	ND	ND	ND
Carbon Tetrachloride	ppbv (ug/L)	NA	ND	44 (0.28)	46 (0.29)	70 (0.44)
Benzene	ppbv (ug/L)	NA	ND	3.8J (0.01J)	ND	ND
1,2-Dichloroethane	ppbv (ug/L)	NA	ND	69 (0.28)	71 (0.29)	114 (0.46)
Trichloroethene	ppbv (ug/L)	NA	ND	162 (0.87)	343 (1.8)	740 (4)
Toluene	ppbv (ug/L)	NA	6.7 (0.03)	6.7 (0.03)	ND	ND
1,1,2-Trichloroethane	ppbv (ug/L)	NA	ND	ND	ND	ND
Tetrachloroethene	ppbv (ug/L)	NA	ND	ND	ND	14.4 (0.1)
Ethylbenzene	ppbv (ug/L)	NA	3.7 (0.02)	3.1 (0.01)	ND	ND
Xylenes	ppbv (ug/L)	NA	15.4 (0.07)	12.5 (0.05)	7.9 (0.03)	10 (0.04)
4-Ethyltoluene	ppbv (ug/L)	NA	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ppbv (ug/L)	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ppbv (ug/L)	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	ppbv (ug/L)	NA	30 (0.18)	22.7 (0.14)	23 (0.14)	33 (0.2)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
217185
FORM 0019 REV 2-97

MCB 8170233 #G11GA

OHM's LAB COORDINATOR: HIZAR T WILLIAMS	LAB COORDINATOR'S PHONE: 949-660-5300	LAB COORDINATOR'S FAX: 949-475-5433	LABORATORY SERVICED:	LABORATORY CONTACT: MARIA JONES	MAIL REPORT (COMPANY NAME): IT GROUP
PROJECT NAME: SWMU 6 SITE 24	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18708	LABORATORY PHONE: 714-258-8610	LABORATORY FAX:	RECIPIENT NAME: DWAYNE ISHIDA
PROJECT CONTACT: —	PROJECT PHONE NUMBER: —	PROJECT FAX: —	LABORATORY ADDRESS: QUANTERRA		ADDRESS: 3347 MICHELSON DR STE 200
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: SANTA ANA CA	CLIENT: LYNN AGNECKER, SWDV	CITY, STATE AND ZIPCODE: SANTA ANA CA		CITY, STATE AND ZIPCODE: IRVINE CA.
PROJECT MANAGER: BILL SEDLAK	PROJECT MANAGER'S PHONE: 949-660-5300	PROJECT MANAGER'S FAX: 949-475-5433			

ANALYZE 'A' BAG FIRST

Item	Sample Identifier	Matrix	Date (1999)	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO-14	Analyses: HALO-COND TOTAL	Comments
1	18708-856	VAPOR	2-17	1330	—	2	III	24HR	X	X	~~ANALYZE ONLY IF 18708-857 IS DETECTED FOR ICR~~
2	18708-857	VAPOR	2/7	1400	—	3	III	24HR	X		
3	18708-858	VAPOR	2/7	1500	—	3	III	24HR	X		
4	18708-859	VAPOR	2/7	1600	—	3	III	24HR	X		
5	18708-860	VAPOR	2-17	1615	—	1	III	24HR		X	ANALYZE ONLY IF 18708-859 IS DETECTED FOR ICR
6											
7											
8											
9											
10											

SAMPLES COLLECTED BY: C. PARRISH
RELINQUISHED BY: [signature]
COURIER AND AIR BILL NUMBER: CONRIR
RECEIVED BY:
DATE: 2/7/99
TIME:
COOLER TEMPERATURE UPON RECEIPT:
SAMPLE'S CONDITION UPON RECEIPT:

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

~~[illegible]~~ $G11GA

NEW TUBING # 021679B

Sample Point Location	G	C	F	QC
1. AMBIENT W/ TUBING	X			X
~~[illegible]~~	~~[illegible]~~			
~~[illegible]~~				
2.43 "OGS #G11GA	X			
3.23 "OGS #G11GA	X			
4.95 "OGS #G11GA	X			
5. AMBIENT W/O TUBING	X			X

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

M9B170223 - 1

Quanterra Air Toxics Lab

Sample Name:	CQVTW102 OHM	**Data Analyzed:**	18 Feb 1999 11:35
Misc. Info:	500 ML 18708-856 TEDLAR	**Method:**	MSA0218
Data Name:	A2139.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	2.00
3)	Chloromethane	-0.49	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.01	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	ND	2.00
12)	Acetone	0.01	15.94	10.00
13)	Methylene Chloride	-0.00	3.27 F	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.01	ND	2.00
16)	Vinyl Acetate	0.22	ND ~~13.42~~ RT, MS	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.32	ND ~~31.20~~ RT, MS.	10.00
19)	Chloroform	-0.09	ND	2.00
20)	1,1,1-Trichloroethane	0.00	ND	2.00
21)	Carbon Tetrachloride	0.01	ND	2.00
23)	Benzene	0.00	ND	2.00
25)	1,2-Dichloroethane	0.03	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.13	ND ~~6.00~~ RT, MS.	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.47	ND	2.00
30)	4-Methyl-2-Pentanone	-0.37	ND	10.00
32)	Toluene	-0.08	6.28	~~2.00~~ .5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.42	ND	2.00
36)	Tetrachloroethene	-0.02	ND	2.00
37)	2-Hexanone	0.57	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane		ND	2.00
40)	Chlorobenzene	-0.15	ND	2.00
41)	Ethylbenzene	0.00	ND	2.00
42)	p,&m-Xylene	0.00	3.83	2.00
43)	o-Xylene	0.03	ND	2.00
44)	Styrene	0.00	ND	2.00
45)	Bromoform		ND	2.00

FEB 18'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	CQVTW102 OHM	**Data Analyzed:**	02/18/19 -1:1:
Misc. Info:	500 ML 18708-856 TEDLAR	**Method:**	MSA0218
Data Name:	A2139.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.30	ND ~~3.49~~ RT. MS	2.00
48)	Benzyl Chloride	0.04	ND	10.00
49)	4-Ethyl Toluene	0.06	8.46	2.00
50)	1,3,5-Trimethylbenzene	0.08	4.84	2.00
51)	1,2,4-Trimethylbenzene	0.10	9.00	2.00
52)	1,3-Dichlorobenzene	0.10	ND	2.00
53)	1,4-Dichlorobenzene	0.14	ND	2.00
54)	1,2-Dichlorobenzene	-0.26	ND	2.00
55)	1,2,4-Trichlorobenzene	-0.00	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	151729	OK	7.53	7.53	OK
1,4-Difluorobenzene	941018	897179	OK	9.22	9.22	OK
Chlorobenzene-d5	452455	421786	OK	14.67	14.58	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.99	108.0
Toluene-d8	50	51.09	102.2
4-Bromofluorobenzene	50	50.85	101.7

Comments:

Foot Notes:

1st Review: LR 2/18/99

2nd Review:

FEB 18'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.03

D:\GCMSA~1\990215\A2135.D

MQB170223-2

Quanterra Air Toxics Lab

Sample Name:	CQVTX102 OHM	**Data Analyzed:**	17 Feb 1999 18:53
Misc. Info:	1.5 ML 18708-857 B170223-2 TEDLAR	**Method:**	MSA0217
Data Name:	A2135.D	**Shift Call.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	333.3

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	666.60
3)	Chloromethane	0.32	ND	1333.20
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.33	ND	666.60
5)	Vinyl Chloride		ND	666.60
6)	Bromomethane		ND	666.60
7)	Chloroethane		ND	1333.20
8)	Trichlorofluoromethane (11)		ND	666.60
9)	1,1-Dichloroethene	0.10	ND ~~690.15~~ RT	666.60
10)	Carbon Disulfide		ND	3333.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	76213.59	666.60
12)	Acetone	-0.10	ND ~~5988.47~~ RT.	3333.00
13)	Methylene Chloride		ND	666.60
14)	t-1,2-Dichloroethene		ND	666.60
15)	1,1-Dichloroethane		ND	666.60
16)	Vinyl Acetate	0.49	ND	3333.00
17)	c-1,2-Dichloroethene		ND	666.60
18)	2-Butanone		ND	3333.00
19)	Chloroform		ND	666.60
20)	1,1,1-Trichloroethane		ND	666.60
21)	Carbon Tetrachloride	-0.00	ND	666.60
23)	Benzene		ND	666.60
25)	1,2-Dichloroethane		ND	666.60
26)	Trichloroethene	-0.02	ND	666.60
27)	1,2-Dichloropropane		ND	666.60
28)	Bromodichloromethane		ND	666.60
29)	c-1,3-Dichloropropene		ND	666.60
30)	4-Methyl-2-Pentanone	-0.03	ND	3333.00
32)	Toluene		ND	~~666.60~~ 1667
34)	t-1,3-Dichloropropene		ND	666.60
35)	1,1,2-Trichloroethane		ND	666.60
36)	Tetrachloroethene	-0.01	ND	666.60
37)	2-Hexanone		ND	9999.00
38)	Dibromochloromethane		ND	666.60
39)	1,2-Dibromoethane		ND	666.60
40)	Chlorobenzene		ND	666.60
41)	Ethylbenzene	-0.36	ND	666.60
42)	p,&m-Xylene		ND	666.60
43)	o-Xylene		ND	666.60
44)	Styrene		ND	666.60
45)	Bromoform		ND	666.60

FEB 18'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	CQVTX102 OHM	**Data Analyzed:**	02/17/19 -1:8:
Misc. Info:	1.5 ML 18708-857 B170223-2 TEDLA	**Method:**	MSA0217
Data Name:	A2135.D	**Shift Call.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	333.3

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	666.60
48)	Benzyl Chloride		ND	3333.00
49)	4-Ethyl Toluene		ND	666.60
50)	1,3,5-Trimethylbenzene	0.39	ND	666.60
51)	1,2,4-Trimethylbenzene	-0.04	ND	666.60
52)	1,3-Dichlorobenzene		ND	666.60
53)	1,4-Dichlorobenzene		ND	666.60
54)	1,2-Dichlorobenzene		ND	666.60
55)	1,2,4-Trichlorobenzene		ND	6666.00
56)	Hexachlorobutadiene		ND	1333.20
	MTBE		NP	3330

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	158021	123298	OK	7.53	7.55	OK
1,4-Difluorobenzene	891461	732661	OK	9.23	9.26	OK
Chlorobenzene-d5	433585	364259	OK	14.69	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.66	101.3
Toluene-d8	50	50.82	101.6
4-Bromofluorobenzene	50	51.05	102.1

Comments:

Foot Notes:

1st Review: LR 2/18/99

2nd Review:

FEB 18'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.07

M98 170223-3

Quanterra Air Toxics Lab

Sample Name:	CQVV0102 OHM	**Data Analyzed:**	18 Feb 1999 11:06
Misc. Info:	500 ML 18708-858 TEDLAR	**Method:**	MSA0218
Data Name:	A2138.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.02	ND	2.00
3)	Chloromethane		ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.03	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	2.00
12)	Acetone	0.04	14.22	10.00
13)	Methylene Chloride	0.01	4.42	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.46	ND	2.00
16)	Vinyl Acetate	0.20	ND ~~42.06~~ RT	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.29	ND ~~23.53~~ RT	10.00
19)	Chloroform	-0.09	ND	2.00
20)	1,1,1-Trichloroethane	0.06	ND	2.00
21)	Carbon Tetrachloride	-0.02	ND	2.00
23)	Benzene	-0.01	ND	2.00
25)	1,2-Dichloroethane	0.05	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.14	ND ~~7.28~~ RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.43	ND	2.00
30)	4-Methyl-2-Pentanone	-0.39	ND	10.00
32)	Toluene	-0.11	8.48	~~2.00~~ 5
34)	t-1,3-Dichloropropene	-0.33	ND	2.00
35)	1,1,2-Trichloroethane	0.37	ND	2.00
36)	Tetrachloroethene	0.01	ND	2.00
37)	2-Hexanone	0.02	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	0.47	ND	2.00
40)	Chlorobenzene	-0.14	ND	2.00
41)	Ethylbenzene	0.01	ND	2.00
42)	p,&m-Xylene	0.23	ND	2.00
43)	o-Xylene	0.04	ND	2.00
44)	Styrene	0.05	ND	2.00
45)	Bromoform		ND	2.00

FEB 18'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	CQVV0102 OHM	**Data Analyzed:**	02/18/19 -1:1:
Misc. Info:	500 ML 18708-858 TEDLAR	**Method:**	MSA0218
Data Name:	A2138.D	**Shift Call.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.37	ND	2.00
48)	Benzyl Chloride	0.26	ND	10.00
49)	4-Ethyl Toluene	0.09	5.44	2.00
50)	1,3,5-Trimethylbenzene	0.13	3.02	2.00
51)	1,2,4-Trimethylbenzene	0.13	5.96	2.00
52)	1,3-Dichlorobenzene	0.15	ND	2.00
53)	1,4-Dichlorobenzene	0.15	ND	2.00
54)	1,2-Dichlorobenzene	-0.25	ND	2.00
55)	1,2,4-Trichlorobenzene	0.13	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	143212	OK	7.53	7.55	OK
1,4-Difluorobenzene	941018	817892	OK	9.22	9.24	OK
Chlorobenzene-d5	452455	416549	OK	14.67	14.53	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	57.02	114.0
Toluene-d8	50	51.60	103.2
4-Bromofluorobenzene	50	50.22	100.4

Comments: A 2136 is too diluted.

Foot Notes:

1st Review: LR 2/18/99

2nd Review:

FEB 18'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.11

-4

Quanterra Air Toxics Lab

Sample Name:	CQVV1102 OHM	**Data Analyzed:**	17 Feb 1999 19:48
Misc. Info:	500 ml 18708-859 B170223-4 TEDLAR	**Method:**	MSA0217
Data Name:	A2137.D	**Shift Call.File:**	CC02171.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.00	ND	2.00
3)	Chloromethane	0.31	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.34	ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)		ND	2.00
9)	1,1-Dichloroethene	0.02	ND	2.00
10)	Carbon Disulfide	0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	301.95	2.00
12)	Acetone	0.00	79.42 F	10.00
13)	Methylene Chloride		ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.05	ND	2.00
16)	Vinyl Acetate	0.21	ND ~~20.79~~ RT	10.00
17)	c-1,2-Dichloroethene	-0.22	ND	2.00
18)	2-Butanone	0.30	ND ~~40.63~~ RT	10.00
19)	Chloroform	-0.12	ND	2.00
20)	1,1,1-Trichloroethane	-0.03	ND	2.00
21)	Carbon Tetrachloride	-0.00	ND	2.00
23)	Benzene	0.02	ND	2.00
25)	1,2-Dichloroethane	0.05	ND	2.00
26)	Trichloroethene	0.02	ND	2.00
27)	1,2-Dichloropropane	-0.14	ND ~~9.93~~ RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene		ND	2.00
30)	4-Methyl-2-Pentanone	-0.38	ND	10.00
32)	Toluene	-0.09	9.34	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.26	ND	2.00
36)	Tetrachloroethene	-0.02	ND	2.00
37)	2-Hexanone	-0.09	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	0.47	ND	2.00
40)	Chlorobenzene	0.00	ND	2.00
41)	Ethylbenzene	0.01	ND	2.00
42)	p,&m-Xylene	-0.00	2.68	2.00
43)	o-Xylene	0.04	ND	2.00
44)	Styrene	0.06	ND	2.00
45)	Bromoform		ND	2.00

FEB 18'99 16:50 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	CQVV1102 OHM	**Data Analyzed:**	02/17/19 -1:9:
Misc. Info:	500 ml 18708-859 B170223-4 TEDLA	**Method:**	MSA0217
Data Name:	A2137.D	**Shift Call.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.29	ND ~~2.43~~ RT	2.00
48)	Benzyl Chloride	0.31	ND	10.00
49)	4-Ethyl Toluene	0.09	2.59	2.00
50)	1,3,5-Trimethylbenzene	0.15	ND	2.00
51)	1,2,4-Trimethylbenzene	0.16	3.02	2.00
52)	1,3-Dichlorobenzene	0.17	ND	2.00
53)	1,4-Dichlorobenzene	0.03	ND	2.00
54)	1,2-Dichlorobenzene	-0.22	ND	2.00
55)	1,2,4-Trichlorobenzene	0.36	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	158021	152497	OK	7.53	7.55	OK
1,4-Difluorobenzene	891461	893723	OK	9.23	9.23	OK
Chlorobenzene-d5	433585	452455	OK	14.69	14.52	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.35	110.7
Toluene-d8	50	51.02	102.0
4-Bromofluorobenzene	50	52.31	104.6

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review:

FEB 18'99 16:50 FR 714 258 0921 TO OHM-IRVINE P.15

M9B170223-1

Quanterra Air Toxics Lab

Sample Name:	CQVTW102 OHM	**Data Analyzed:**	18 Feb 1999 11:35
Misc. Info:	500 ML 18708-856 TEDLAR	**Method:**	MSA0218
Data Name:	A2139.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.01	ND	0.0099
3)	Chloromethane	-0.49	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	ND	0.0153
12)	Acetone	0.01	0.0378	0.0237
13)	Methylene Chloride	-0.00	0.0113 F	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.01	ND	0.0081
16)	Vinyl Acetate	0.22	ND ~~0.0472~~	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.32	ND ~~0.0920~~	0.0294
19)	Chloroform	-0.09	ND	0.0097
20)	1,1,1-Trichloroethane	0.00	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.00	ND	0.0064
25)	1,2-Dichloroethane	0.03	ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane	-0.13	ND ~~0.0304~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.47	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.37	ND	0.0409
32)	Toluene	-0.08	0.0236	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.42	ND	0.0109
36)	Tetrachloroethene	-0.02	ND	0.0135
37)	2-Hexanone	0.57	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene	-0.15	ND	0.0092
41)	Ethylbenzene	0.00	ND	0.0087
42)	p,&m-Xylene	0.00	0.0166	0.0087
43)	o-Xylene	0.03	ND	0.0087
44)	Styrene	0.00	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 18'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	CQVTW102 OHM	**Data Analyzed:**	02/18/19 -1;1:
Misc. Info:	500 ML 18708-856 TEDLAR	**Method:**	MSA0218
Data Name:	A2139.D	**Shift Call.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.30	N/D ~~0.0218~~	0.0137
48)	Benzyl Chloride	0.04	ND	0.0518
49)	4-Ethyl Toluene	0.06	0.0415	0.0098
50)	1,3,5-Trimethylbenzene	0.08	0.0238	0.0098
51)	1,2,4-Trimethylbenzene	0.10	0.0442	0.0098
52)	1,3-Dichlorobenzene	0.10	ND	0.0120
53)	1,4-Dichlorobenzene	0.14	ND	0.0120
54)	1,2-Dichlorobenzene	-0.26	ND	0.0120
55)	1,2,4-Trichlorobenzene	-0.00	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		N/D	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	151729	OK	7.53	7.53	OK
1,4-Difluorobenzene	941018	897179	OK	9.22	9.22	OK
Chlorobenzene-d5	452455	421786	OK	14.67	14.58	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.99	108.0
Toluene-d8	50	51.09	102.2
4-Bromofluorobenzene	50	50.85	101.7

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.05

-2

Quanterra Air Toxics Lab

Sample Name:	CQVTX102 OHM	**Data Analyzed:**	17 Feb 1999 18:53
Misc. Info:	1.5 ML 18708-857 B170223-2 TEDLAR	**Method:**	MSA0217
Data Name:	A2135.D	**Shift Cali.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	333.3

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)		ND	3.2897
3)	Chloromethane	0.32	ND	2.7477
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.33	ND	4.6502
5)	Vinyl Chloride		ND	1.7005
6)	Bromomethane		ND	2.5831
7)	Chloroethane		ND	3.5103
8)	Trichlorofluoromethane (11)		ND	3.7376
9)	1,1-Dichloroethene	0.10	ND ~~2.7309~~	2.6377
10)	Carbon Disulfide		ND	10.3590
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	582.8815	5.0982
12)	Acetone	-0.10	ND ~~14.2224~~	7.9025
13)	Methylene Chloride		ND	2.3111
14)	t-1,2-Dichloroethene		ND	2.6377
15)	1,1-Dichloroethane		ND	2.6924
16)	Vinyl Acetate	0.49	ND	11.7122
17)	c-1,2-Dichloroethene		ND	2.6377
18)	2-Butanone		ND	9.8090
19)	Chloroform		ND	3.2483
20)	1,1,1-Trichloroethane		ND	3.6296
21)	Carbon Tetrachloride	-0.00	ND	4.1849
23)	Benzene		ND	2.1251
25)	1,2-Dichloroethane		ND	2.6924
26)	Trichloroethene	-0.02	ND	3.5750
27)	1,2-Dichloropropane		ND	3.0744
28)	Bromodichloromethane		ND	4.4576
29)	c-1,3-Dichloropropene		ND	3.0190
30)	4-Methyl-2-Pentanone	-0.03	ND	13.6253
32)	Toluene		ND	~~2.6071~~ 6.33
34)	t-1,3-Dichloropropene		ND	3.0190
35)	1,1,2-Trichloroethane		ND	3.6296
36)	Tetrachloroethene	-0.01	ND	4.5122
37)	2-Hexanone		ND	40.8759
38)	Dibromochloromethane		ND	5.6674
39)	1,2-Dibromoethane		ND	5.1115
40)	Chlorobenzene		ND	3.0624
41)	Ethylbenzene	-0.36	ND	2.8884
42)	p,&m-Xylene		ND	2.8884
43)	o-Xylene		ND	2.8884
44)	Styrene		ND	2.8337
45)	Bromoform		ND	6.8766

Sample Name:	CQVTX102 OHM	**Data Analyzed:**	02/17/19 -1:8:
Misc. Info:	1.5 ML 18708-857 B170223-2 TED	**Method:**	MSA0217
Data Name:	A2135.D	**Shift Cali.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	333.3

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	4.5669
48)	Benzyl Chloride		ND	17.2516
49)	4-Ethyl Toluene		ND	3.2703
50)	1,3,5-Trimethylbenzene	0.39	ND	3.2703
51)	1,2,4-Trimethylbenzene	-0.04	ND	3.2703
52)	1,3-Dichlorobenzene		ND	3.9996
53)	1,4-Dichlorobenzene		ND	3.9996
54)	1,2-Dichlorobenzene		ND	3.9996
55)	1,2,4-Trichlorobenzene		ND	49.3684
56)	Hexachlorobutadiene		ND	14.1892
	MTBE		ND	12

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	158021	123298	OK	7.53	7.55	OK
1,4-Difluorobenzene	891461	732661	OK	9.23	9.26	OK
Chlorobenzene-d5	433585	364259	OK	14.69	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.66	101.3
Toluene-d8	50	50.82	101.6
4-Bromofluorobenzene	50	51.05	102.1

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.09

-3

Quanterra Air Toxics Lab

Sample Name:	CQVV0102 OHM	**Data Analyzed:**	18 Feb 1999 11:06
Misc. Info:	500 ML 18708-858 TEDLAR	**Method:**	MSA0218
Data Name:	A2138.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.02	ND	0.0099
3)	Chloromethane		ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.03	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	0.0153
12)	Acetone	0.04	0.0337	0.0237
13)	Methylene Chloride	0.01	0.0153	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.46	ND	0.0081
16)	Vinyl Acetate	0.20	ND ~~0.0424~~	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.29	ND ~~0.0693~~	0.0294
19)	Chloroform	-0.09	ND	0.0097
20)	1,1,1-Trichloroethane	0.06	ND	0.0109
21)	Carbon Tetrachloride	-0.02	ND	0.0126
23)	Benzene	-0.01	ND	0.0064
25)	1,2-Dichloroethane	0.05	ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane	-0.14	ND ~~0.0338~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.43	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.39	ND	0.0409
32)	Toluene	-0.11	0.0319	~~0.0075~~ 0.0019
34)	t-1,3-Dichloropropene	-0.33	ND	0.0091
35)	1,1,2-Trichloroethane	0.37	ND	0.0109
36)	Tetrachloroethene	0.01	ND	0.0135
37)	2-Hexanone	0.02	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	0.47	ND	0.0153
40)	Chlorobenzene	-0.14	ND	0.0092
41)	Ethylbenzene	0.01	ND	0.0087
42)	p,&m-Xylene	0.23	ND	0.0087
43)	o-Xylene	0.04	ND	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 18'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.12

Sample Name:	CQVV0102 OHM	**Data Analyzed:**	02/18/19 -1:1:
Misc. Info:	500 ML 18708-858 TEDLAR	**Method:**	MSA0218
Data Name:	A2138.D	**Shift Call.File:**	CC02181.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.37	ND	0.0137
48)	Benzyl Chloride	0.26	ND	0.0518
49)	4-Ethyl Toluene	0.09	0.0267	0.0098
50)	1,3,5-Trimethylbenzene	0.13	0.0148	0.0098
51)	1,2,4-Trimethylbenzene	0.13	0.0292	0.0098
52)	1,3-Dichlorobenzene	0.15	ND	0.0120
53)	1,4-Dichlorobenzene	0.15	ND	0.0120
54)	1,2-Dichlorobenzene	-0.25	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.13	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	143212	OK	7.53	7.55	OK
1,4-Difluorobenzene	941018	817892	OK	9.22	9.24	OK
Chlorobenzene-d5	452455	416549	OK	14.67	14.53	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	57.02	114.0
Toluene-d8	50	51.60	103.2
4-Bromofluorobenzene	50	50.22	100.4

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.13

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Quanterra Air Toxics Lab

Sample Name:	CQVV1102 OHM	**Data Analyzed:**	17 Feb 1999 19:48
Misc. Info:	500 ml 18708-859 B170223-4 TEDLAR	**Method:**	MSA0217
Data Name:	A2137.D	**Shift Call.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)		RL(ug/L)	
2)	Dichlorodifluoromethane (12)	0.00	ND		0.0099	
3)	Chloromethane	0.31	ND		0.0082	
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.34	ND		0.0140	
5)	Vinyl Chloride		ND		0.0051	
6)	Bromomethane		ND		0.0078	
7)	Chloroethane		ND		0.0105	
8)	Trichlorofluoromethane (11)		ND		0.0112	
9)	1,1-Dichloroethene	0.02	ND		0.0079	
10)	Carbon Disulfide	0.02	ND		0.0311	
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	2.3093		0.0153	
12)	Acetone	0.00	0.1883	F	0.0237	
13)	Methylene Chloride		ND		0.0069	
14)	t-1,2-Dichloroethene		ND		0.0079	
15)	1,1-Dichloroethane	0.05	ND		0.0081	
16)	Vinyl Acetate	0.21	ND ~~0.0731~~	RT	0.0351	
17)	c-1,2-Dichloroethene	-0.22	ND		0.0079	
18)	2-Butanone	0.30	ND ~~0.1106~~	RT	0.0294	
19)	Chloroform	-0.12	ND		0.0097	
20)	1,1,1-Trichloroethane	-0.03	ND		0.0109	
21)	Carbon Tetrachloride	-0.00	ND		0.0126	
23)	Benzene	0.02	ND		0.0064	
25)	1,2-Dichloroethane	0.05	ND		0.0081	
26)	Trichloroethene	0.02	ND		0.0107	
27)	1,2-Dichloropropane	-0.14	ND ~~0.0438~~	RT	0.0092	
28)	Bromodichloromethane		ND		0.0134	
29)	c-1,3-Dichloropropene		ND		0.0091	
30)	4-Methyl-2-Pentanone	-0.38	ND		0.0409	
32)	Toluene	-0.09	0.0351		~~0.0075~~	0.019
34)	t-1,3-Dichloropropene		ND		0.0091	
35)	1,1,2-Trichloroethane	0.26	ND		0.0109	
36)	Tetrachloroethene	-0.02	ND		0.0135	
37)	2-Hexanone	-0.09	ND		0.1226	
38)	Dibromochloromethane		ND		0.0170	
39)	1,2-Dibromoethane	0.47	ND		0.0153	
40)	Chlorobenzene	0.00	ND		0.0092	
41)	Ethylbenzene	0.01	ND		0.0087	
42)	p,&m-Xylene	-0.00	0.0116		0.0087	
43)	o-Xylene	0.04	ND		0.0087	
44)	Styrene	0.06	ND		0.0085	
45)	Bromoform		ND		0.0206	

FEB 18'99 16:50 FR 714 258 0921 TO OHM-IRVINE P.16

Sample Name:	CQVV1102 OHM	**Data Analyzed:**	02/17/19 -1:9:
Misc. Info:	500 ml 18708-859 B170223-4 TEDL	**Method:**	MSA0217
Data Name:	A2137.D	**Shift Call.File:**	CC02171.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.29	ND ~~0.0166~~	0.0137
48)	Benzyl Chloride	0.31	ND	0.0518
49)	4-Ethyl Toluene	0.09	0.0127	0.0098
50)	1,3,5-Trimethylbenzene	0.15	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.16	0.0148	0.0098
52)	1,3-Dichlorobenzene	0.17	ND	0.0120
53)	1,4-Dichlorobenzene	0.03	ND	0.0120
54)	1,2-Dichlorobenzene	-0.22	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.36	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	158021	152497	OK	7.53	7.55	OK
1,4-Difluorobenzene	891461	893723	OK	9.23	9.23	OK
Chlorobenzene-d5	433585	452455	OK	14.69	14.52	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.35	110.7
Toluene-d8	50	51.02	102.0
4-Bromofluorobenzene	50	52.31	104.6

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:50 FR 714 258 0921 TO OHM-IRVINE P.17

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

217184

FORM 0019 REV 2-97

MAB170222 $6137

OHM LAB COORDINATOR: CHIZAR WILLIAMS	LAB COORDINATOR'S PHONE: 947-660-5300	LAB COORDINATOR'S FAX: 717-475-5433	LABORATORY SERVICE ID	LABORATORY CONTACT: MARIA JONES	MAIL REPORT (COMPANY NAME): ITGROUP
PROJECT NAME: SOIL GAS @ SITE 34	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18708	LABORATORY PHONE: 714-258-8610	LABORATORY FAX	RECIPIENT NAME: DUANE ISHIDA
PROJECT CONTACT: —	PROJECT PHONE NUMBER:	PROJECT FAX: —	LABORATORY ADDRESS: QUANTLABS		ADDRESS: 3347 MICHELSON DR. STE 200
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: SANTA ANA CA	CLIENT: LYNN HORNECKER, SWDIV	CITY, STATE AND ZIPCODE: SANTA ANA CA.		CITY, STATE AND ZIPCODE: IRVINE CA
PROJECT MANAGER: BILL SEGLAR	PROJECT MANAGER'S PHONE: 947-660-5300	PROJECT MANAGER'S FAX: 949-475-5433			

ANANZE 'A' DAG FAST

Item	Sample Identifier	Matrix	Date 1999	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analysis: TO-14	Analysis: Field Conventional	Comments
1	18708-850	VAPOR	2-17	0830	-	1	III	24HR		X	ANALYZE ONLY IF 18708-850 IS DETECTED FOR TCE
2	18708-851	VAPOR	2-17	0830	-	2	III	24HR	X	X	ANALYZE ONLY IF 18708-851 IS DETECTED FOR TCE
3	18708-852	VAPOR	2-17	0850	-	3	III	24HR	X		
4	18708-853	VAPOR	2-17	1025	-	3	III	24HR	X		
5	18708-854	VAPOR	2-17	1110	-	2	III	24HR		X	ANALYZE ONLY IF 18708-854 IS DETECTED FOR TCE
6	18708-855	VAPOR	2-17	1140	-	3	III	24HR	X		
7	~~18708-856~~	~~VAPOR~~	~~DEAD~~								
8											
9											
10											

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

$6137

Sample Point Location	G	C	F	QC
1. AMBIENT N/O TUBING	X			X
2. AMBIENT W/TUBING	X			X
TUBING # 021699A				
3. 48' BGS $6137	X			
4. 76' BGS $6137	X			
5. AMBIENT W/TUBING	X			X
TUBING # 021099A				
6. 97' BGS $6137	X			

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

SAMPLES COLLECTED BY: CARL PARRISH

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	[illegible]	2-17-99	1	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

MGB170222-2

Quanterra Air Toxics Lab

Sample Name:	CQVTP102 OHM	**Data Analyzed:**	18 Feb 1999 13:48
Misc. Info:	500 ML 18708-851 TEDLAR	**Method:**	MSA0218
Data Name:	A2143.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.01	ND	0.0099
3)	Chloromethane		ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	0.0153
12)	Acetone	0.04	0.0307	0.0237
13)	Methylene Chloride	0.01	0.0117	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.02	ND	0.0081
16)	Vinyl Acetate	0.21	ND ~~0.0405~~	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.02	ND	0.0294
19)	Chloroform	-0.07	ND	0.0097
20)	1,1,1-Trichloroethane	0.01	ND	0.0109
21)	Carbon Tetrachloride		ND	0.0126
23)	Benzene	-0.01	ND	0.0064
25)	1,2-Dichloroethane	0.04	ND	0.0081
26)	Trichloroethene	-0.03	ND	0.0107
27)	1,2-Dichloropropane	-0.14	ND ~~0.0243~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.42	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.36	ND	0.0409
32)	Toluene	-0.10	ND ~~0.0184~~	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.22	ND	0.0109
36)	Tetrachloroethene	-0.00	ND	0.0135
37)	2-Hexanone	-0.10	ND	0.1226
38)	Dibromochloromethane	-0.20	ND	0.0170
39)	1,2-Dibromoethane	-0.31	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	-0.01	ND	0.0087
42)	p,&m-Xylene	0.03	0.0213	0.0087
43)	o-Xylene	0.03	ND	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 18'99 16:26 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	CQVTP102 OHM	**Data Analyzed:**	02/18/19 -1:3:
Misc. Info:	500 ML 18708-851 TEDLAR	**Method:**	MSA0218
Data Name:	A2143.D	**Shift Call.File:**	CC02181.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.09	ND	0.0137
48)	Benzyl Chloride	0.16	ND	0.0518
49)	4-Ethyl Toluene	0.06	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.12	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.12	ND	0.0098
52)	1,3-Dichlorobenzene	0.13	0.1035	0.0120
53)	1,4-Dichlorobenzene	-0.00	N/D ~~0.0820~~	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.026

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	144208	OK	7.53	7.53	OK
1,4-Difluorobenzene	941018	858968	OK	9.22	9.22	OK
Chlorobenzene-d5	452455	432935	OK	14.67	14.56	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	56.07	112.1
Toluene-d8	50	49.99	100.0
4-Bromofluorobenzene	50	51.78	103.6

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:26 FR 714 258 0921 TO OHM-IRVINE P.05

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Quanterra Air Toxics Lab

Sample Name:	CQVTQ102 OHM	**Data Analyzed:**	17 Feb 1999 18:08
Misc. Info:	500ml 18708-852 B170222-3 TED	**Method:**	MSB0217
Data Name:	b1165.d	**Shift Cali.File:**	CC02171.D
Data Path:	d:\gcmsb\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)	
2)	Dichlorodifluoromethane (1	-0.01	ND	0.0099	
3)	Chloromethan	-0.01	ND	0.0082	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140	
5)	Vinyl Chloride		ND	0.0051	
6)	Bromomethan		ND	0.0078	
7)	Chloroethane		ND	0.0105	
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112	
9)	1,1-Dichloroethene		ND	0.0079	
10)	Carbon Disulfide	-0.01	ND	0.0311	
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.04	ND	0.0153	
12)	Acetone	0.02	ND	0.0237	
13)	Methylene Chloride	-0.00	0.0070	0.0069	
14)	t-1,2-Dichloroethene		ND	0.0079	
15)	1,1-Dichloroethane	0.37	ND	0.0081	
16)	Vinyl Acetate	0.25	ND	0.0351	
17)	c-1,2-Dichloroethene		ND	0.0079	
18)	2-Butanone	0.05	ND	0.0294	
19)	Chloroform	-0.05	ND	0.0097	
20)	1,1,1-Trichloroethane	-0.02	ND	0.0109	
21)	Carbon Tetrachloride	0.04	ND	0.0126	
23)	Benzene	-0.00	ND	0.0064	
25)	1,2-Dichloroethane	0.12	ND	0.0081	
26)	Trichloroethene	-0.01	ND	0.0107	
27)	1,2-Dichloropropane	-0.07	ND ~~0.0130~~	0.0092	
28)	Bromodichloromethane		ND	0.0134	
29)	c-1,3-Dichloropropene	-0.35	ND	0.0091	
30)	4-Methyl-2-Pentanone	-0.31	ND	0.0409	
32)	Toluene	-0.05	ND ~~0.0119~~	~~0.0075~~	0.019
34)	t-1,3-Dichloropropene		ND	0.0091	
35)	1,1,2-Trichloroethane	-0.14	ND	0.0109	
36)	Tetrachloroethene	-0.01	ND	0.0135	
37)	2-Hexanone	0.03	ND	0.1226	
38)	Dibromochloromethane		ND	0.0170	
39)	1,2-Dibromoethane	-0.19	ND	0.0153	
40)	Chlorobenzene	0.04	ND	0.0092	
41)	Ethylbenzene	0.00	ND	0.0087	
42)	p,&m-Xylene	0.01	0.0110	0.0087	
43)	o-Xylene	0.02	ND	0.0087	
44)	Styrene	0.04	ND	0.0085	
45)	Bromoform		ND	0.0206	

FEB 18'99 16:27 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	CQVTQ102 OHM	**Data Analyzed:**	02/17/19 -1:8:
Misc. Info:	500ml 18708-852 B170222-3	**Method:**	MSB0217
Data Name:	b1165.d	**Shift Cali.File:**	CC02171.D
Data Path:	d:\gcmsb\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.24	ND	0.0137
48)	Benzyl Chloride	0.04	ND	0.0518
49)	4-Ethyl Toluene	0.06	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.07	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.08	ND	0.0098
52)	1,3-Dichlorobenzene	0.10	0.0172	0.0120
53)	1,4-Dichlorobenzene	-0.12	ND ~~0.0161~~	0.0120
54)	1,2-Dichlorobenzene	-0.43	ND	0.0120
55)	1,2,4-Trichlorobenzene	-0.29	ND	0.1481
56)	Hexachlorobutadiene	-0.45	ND	0.0426
	INTRE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	265145	286841	OK	7.07	7.05	OK
1,4-Difluorobenzene	974674	950342	OK	8.69	8.69	OK
Chlorobenzene-d5	523435	494080	OK	13.99	13.87	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.43	100.9
Toluene-d8	50	43.33	86.7
4-Bromofluorobenzene	50	53.69	107.4

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:27 FR 714 258 0921 TO OHM-IRVINE P.09

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Quanterra Air Toxics Lab

Sample Name:	CQVTR102 OHM	**Data Analyzed:**	18 Feb 1999 13:17
Misc. Info:	2.5 ML 18708-853 TEDLAR	**Method:**	MSA0218
Data Name:	a2142.d	**Shift Call.File:**	CC02181.D
Data Path:	d:\gcmsa~1\990215\	**Dilution Factor:**	200

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)		ND	1.9740
3)	Chloromethane		ND	1.6488
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.7904
5)	Vinyl Chloride		ND	1.0204
6)	Bromomethane		ND	1.5500
7)	Chloroethane		ND	2.1064
8)	Trichlorofluoromethane (11)		ND	2.2428
9)	1,1-Dichloroethene	0.09	ND ~~1.7085~~	1.5828
10)	Carbon Disulfide		ND	6.2160
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	473.6809	3.0592
12)	Acetone	-0.07	ND ~~10.5907~~	4.7420
13)	Methylene Chloride		ND	1.3868
14)	t-1,2-Dichloroethene		ND	1.5828
15)	1,1-Dichloroethane		ND	1.6156
16)	Vinyl Acetate	0.26	ND	7.0280
17)	c-1,2-Dichloroethene		ND	1.5828
18)	2-Butanone		ND	5.8860
19)	Chloroform		ND	1.9492
20)	1,1,1-Trichloroethane		ND	2.1780
21)	Carbon Tetrachloride	0.01	ND	2.5112
23)	Benzene		ND	1.2752
25)	1,2-Dichloroethane		ND	1.6156
26)	Trichloroethene	-0.00	ND	2.1452
27)	1,2-Dichloropropane		ND	1.8448
28)	Bromodichloromethane		ND	2.6748
29)	c-1,3-Dichloropropene		ND	1.8116
30)	4-Methyl-2-Pentanone	-0.03	ND	8.1760
32)	Toluene		ND	~~1.5844~~ 3.8
34)	t-1,3-Dichloropropene		ND	1.8116
35)	1,1,2-Trichloroethane		ND	2.1780
36)	Tetrachloroethene		ND	2.7076
37)	2-Hexanone		ND	24.5280
38)	Dibromochloromethane		ND	3.4008
39)	1,2-Dibromoethane		ND	3.0672
40)	Chlorobenzene		ND	1.8376
41)	Ethylbenzene	-0.37	ND	1.7332
42)	p,&m-Xylene		ND	1.7332
43)	o-Xylene		ND	1.7332
44)	Styrene		ND	1.7004
45)	Bromoform		ND	4.1264

Sample Name:	CQVTR102 OHM	**Data Analyzed:**	02/18/19 -1:3:
Misc. Info:	2.5 ML 18708-853 TEDLAR	**Method:**	MSA0218
Data Name:	a2142.d	**Shift Cali.File:**	CC02181.D
Data Path:	d:\gcmsa-1\990215\	**Dilution Factor:**	200

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	2.7404
48)	Benzyl Chloride		ND	10.3520
49)	4-Ethyl Toluene		ND	1.9624
50)	1,3,5-Trimethylbenzene		ND	1.9624
51)	1,2,4-Trimethylbenzene		ND	1.9624
52)	1,3-Dichlorobenzene		ND	2.4000
53)	1,4-Dichlorobenzene		ND	2.4000
54)	1,2-Dichlorobenzene		ND	2.4000
55)	1,2,4-Trichlorobenzene		ND	29.6240
56)	Hexachlorobutadiene		ND	8.5144

MTBE NO 7.2

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	130380	OK	7.53	7.57	OK
1,4-Difluorobenzene	941018	787639	OK	9.22	9.28	OK
Chlorobenzene-d5	452455	388991	OK	14.67	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.80	101.6
Toluene-d8	50	52.11	104.2
4-Bromofluorobenzene	50	44.75	89.5

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:28 FR 714 258 0921 TO OHM-IRVINE P.13

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d:\gcmsb\990215\B1166.D

Quanterra Air Toxics Lab

Sample Name:	CQVTV102 OHM	**Data Analyzed:**	17 Feb 1999 18:36
Misc. Info:	500ml 18708-855 B170222-6 TEDL	**Method:**	MSB0217
Data Name:	B1166.D	**Shift Cali.File:**	CC02171.D
Data Path:	d:\gcmsb\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.06	ND	2.00
3)	Chloromethane	-0.04	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)		ND	2.00
9)	1,1-Dichloroethene	0.04	ND	2.00
10)	Carbon Disulfide	-0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	13.50	2.00
12)	Acetone	0.03	ND	10.00
13)	Methylene Chloride	-0.00	ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.02	ND	2.00
16)	Vinyl Acetate	0.23	ND ~~20.70~~ RT, MS	10.00
17)	c-1,2-Dichloroethene	0.44	ND	2.00
18)	2-Butanone	0.37	ND ~~48.17~~ RT, MS	10.00
19)	Chloroform	0.20	~~4.93~~ RT, MS.	2.00
20)	1,1,1-Trichloroethane	-0.01	ND	2.00
21)	Carbon Tetrachloride	0.00	ND	2.00
23)	Benzene	0.01	ND	2.00
25)	1,2-Dichloroethane	0.14	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.04	ND ~~0.00~~ MS.	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.29	ND	2.00
30)	4-Methyl-2-Pentanone	-0.28	ND ~~22.06~~ RT, MS.	10.00
32)	Toluene	-0.04	ND ~~3.55~~ < RL.	~~2.00~~ 5
34)	t-1,3-Dichloropropene	-0.25	ND	2.00
35)	1,1,2-Trichloroethane	-0.01	ND	2.00
36)	Tetrachloroethene	-0.03	ND	2.00
37)	2-Hexanone	-0.20	ND	30.00
38)	Dibromochloromethane	-0.02	ND	2.00
39)	1,2-Dibromoethane	0.12	ND	2.00
40)	Chlorobenzene	-0.12	ND	2.00
41)	Ethylbenzene	-0.01	2.64	2.00
42)	p,&m-Xylene	-0.02	14.30 > 16.5	2.00
43)	o-Xylene	0.03	2.18	2.00
44)	Styrene	0.00	ND	2.00
45)	Bromoform		ND	2.00

FEB 18'99 16:28 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	CQVTV102 OHM	**Data Analyzed:**	02/17/19 -1:8:
Misc. Info:	500ml 18708-855 B170222-6 T	**Method:**	MSB0217
Data Name:	B1166.D	**Shift Cali.File:**	CC02171.D
Data Path:	d:\gcmsb\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)		RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.33	NP ~~8.64~~	RT, MS	2.00
48)	Benzyl Chloride	0.03	~~25.77~~	MS.	10.00
49)	4-Ethyl Toluene	0.03	32.00		2.00
50)	1,3,5-Trimethylbenzene	0.07	20.88		2.00
51)	1,2,4-Trimethylbenzene	0.11	31.05		2.00
52)	1,3-Dichlorobenzene	0.17	ND		2.00
53)	1,4-Dichlorobenzene	-0.05	ND		2.00
54)	1,2-Dichlorobenzene	-0.34	ND		2.00
55)	1,2,4-Trichlorobenzene	0.04	ND		20.00
56)	Hexachlorobutadiene	-0.49	ND		4.00
	MTBE		ND		10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	265145	278540	OK	7.07	7.05	OK
1,4-Difluorobenzene	974674	939058	OK	8.69	8.68	OK
Chlorobenzene-d5	523435	485218	OK	13.99	13.88	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.66	111.3
Toluene-d8	50	43.79	87.6
4-Bromofluorobenzene	50	54.31	108.6

Comments:

Foot Notes:

1st Review: LR 2/8/99

2nd Review:

FEB 18'99 16:29 FR 714 258 0921 TO OHM-IRVINE P.15

M98170222 — 2

Quanterra Air Toxics Lab

Sample Name:	CQVTP102 OHM	**Data Analyzed:**	18 Feb 1999 13:48
Misc. Info:	500 ML 18708-861 TEDLAR	**Method:**	MSA0218
Data Name:	A2143.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	2.00
3)	Chloromethane		ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.01	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	2.00
12)	Acetone	0.04	12.96	10.00
13)	Methylene Chloride	0.01	3.36	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.02	ND	2.00
16)	Vinyl Acetate	0.21	ND ~~11.52~~ RT	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.02	ND	10.00
19)	Chloroform	-0.07	ND	2.00
20)	1,1,1-Trichloroethane	0.01	ND	2.00
21)	Carbon Tetrachloride		ND	2.00
23)	Benzene	-0.01	ND	2.00
25)	1,2-Dichloroethane	0.04	ND	2.00
26)	Trichloroethene	-0.03	ND	2.00
27)	1,2-Dichloropropane	-0.14	ND ~~3.26~~ RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.42	ND	2.00
30)	4-Methyl-2-Pentanone	-0.36	ND	10.00
32)	Toluene	-0.10	ND ~~4.89~~	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	-0.22	ND	2.00
36)	Tetrachloroethene	-0.00	ND	2.00
37)	2-Hexanone	-0.10	ND	30.00
38)	Dibromochloromethane	-0.20	ND	2.00
39)	1,2-Dibromoethane	-0.31	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	-0.01	ND	2.00
42)	p,&m-Xylene	0.03	4.92	2.00
43)	o-Xylene	0.03	ND	2.00
44)	Styrene	0.05	ND	2.00
45)	Bromoform		ND	2.00

FEB 18'99 16:25 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	CQVTP102 OHM	**Data Analyzed:**	02/18/19 -1:3:
Misc. Info:	500 ML 18708-851 TEDLAR	**Method:**	MSA0218
Data Name:	A2143.D	**Shift Cali.File:**	CC02181.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.09	ND	2.00
48)	Benzyl Chloride	0.16	ND	10.00
49)	4-Ethyl Toluene	0.06	ND	2.00
50)	1,3,5-Trimethylbenzene	0.12	ND	2.00
51)	1,2,4-Trimethylbenzene	0.12	ND	2.00
52)	1,3-Dichlorobenzene	0.13	17.24	2.00
53)	1,4-Dichlorobenzene	-0.00	ND ~~17.77~~ RT.	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00

MTBE ND 16

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	144208	OK	7.53	7.53	OK
1,4-Difluorobenzene	941018	858968	OK	9.22	9.22	OK
Chlorobenzene-d5	452455	432935	OK	14.67	14.56	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	56.07	112.1
Toluene-d8	50	49.99	100.0
4-Bromofluorobenzene	50	51.78	103.6

Comments:

Foot Notes:

1st Review: LR 2/18/99

2nd Review:

FEB 18'99 16:25 FR 714 258 0921 TO OHM-IRVINE P.03

M9B170822-3

Quanterra Air Toxics Lab

Sample Name:	CQVTQ102 OHM	**Data Analyzed:**	17 Feb 1999 18:08
Misc. Info:	500ml 18708-852 B170222-3 TEDL	**Method:**	MSB0217
Data Name:	B1165.D	**Shift Cali.File:**	CC02171.D
Data Path:	d:\gcmsb\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	2.00
3)	Chloromethane	-0.01	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	-0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.04	ND	2.00
12)	Acetone	0.02	ND	10.00
13)	Methylene Chloride	-0.00	2.01	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.37	ND	2.00
16)	Vinyl Acetate	0.25	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.05	ND	10.00
19)	Chloroform	-0.05	ND	2.00
20)	1,1,1-Trichloroethane	-0.02	ND	2.00
21)	Carbon Tetrachloride	0.04	ND	2.00
23)	Benzene	-0.00	ND	2.00
25)	1,2-Dichloroethane	0.12	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.07	ND ~~2.82~~ RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.35	ND	2.00
30)	4-Methyl-2-Pentanone	-0.31	ND	10.00
32)	Toluene	-0.05	ND ~~3.17~~ < RL	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	-0.14	ND	2.00
36)	Tetrachloroethene	-0.01	ND	2.00
37)	2-Hexanone	0.03	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	-0.19	ND	2.00
40)	Chlorobenzene	0.04	ND	2.00
41)	Ethylbenzene	0.00	ND	2.00
42)	p,&m-Xylene	0.01	2.54	2.00
43)	o-Xylene	0.02	ND	2.00
44)	Styrene	0.04	ND	2.00
45)	Bromoform		ND	2.00

FEB 18'99 16:26 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	CQVTQ102 OHM	**Data Analyzed:**	02/17/19 -1:8:
Misc. Info:	500ml 18708-852 B170222-3 T	**Method:**	MSB0217
Data Name:	B1165.D	**Shift Cali.File:**	CC02171.D
Data Path:	d:\gcmsb\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.24	ND	2.00
48)	Benzyl Chloride	0.04	ND	10.00
49)	4-Ethyl Toluene	0.06	ND	2.00
50)	1,3,5-Trimethylbenzene	0.07	ND	2.00
51)	1,2,4-Trimethylbenzene	0.08	ND	2.00
52)	1,3-Dichlorobenzene	0.10	2.86	2.00
53)	1,4-Dichlorobenzene	-0.12	ND ~~2.89~~ RT	2.00
54)	1,2-Dichlorobenzene	-0.43	ND	2.00
55)	1,2,4-Trichlorobenzene	-0.29	ND	20.00
56)	Hexachlorobutadiene	-0.45	ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	265145	286841	OK	7.07	7.05	OK
1,4-Difluorobenzene	974674	950342	OK	8.69	8.69	OK
Chlorobenzene-d5	523435	494080	OK	13.99	13.87	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.43	100.9
Toluene-d8	50	43.33	86.7
4-Bromofluorobenzene	50	53.69	107.4

Comments:

Foot Notes:

1st Review: LR 2/21/99

2nd Review:

FEB 18'99 16:27 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	CQVTR102 OHM	**Data Analyzed:**	18 Feb 1999 13:17
Misc. Info:	2.5 ML 18708-853 TEDLAR	**Method:**	MSA0218
Data Name:	A2142.D	**Shift Call.File:**	CC02181.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	200

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	400.00
3)	Chloromethane		ND	800.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	400.00
5)	Vinyl Chloride		ND	400.00
6)	Bromomethane		ND	400.00
7)	Chloroethane		ND	800.00
8)	Trichlorofluoromethane (11)		ND	400.00
9)	1,1-Dichloroethene	0.09	ND ~~431.34~~ RT	400.00
10)	Carbon Disulfide		ND	2000.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	61935.26	400.00
12)	Acetone	-0.07	ND ~~4468.77~~ RT.	2000.00
13)	Methylene Chloride		ND	400.00
14)	t-1,2-Dichloroethene		ND	400.00
15)	1,1-Dichloroethane		ND	400.00
16)	Vinyl Acetate	0.26	ND	2000.00
17)	c-1,2-Dichloroethene		ND	400.00
18)	2-Butanone		ND	2000.00
19)	Chloroform		ND	400.00
20)	1,1,1-Trichloroethane		ND	400.00
21)	Carbon Tetrachloride	0.01	ND	400.00
23)	Benzene		ND	400.00
25)	1,2-Dichloroethane		ND	400.00
26)	Trichloroethene	-0.00	ND	400.00
27)	1,2-Dichloropropane		ND	400.00
28)	Bromodichloromethane		ND	400.00
29)	c-1,3-Dichloropropene		ND	400.00
30)	4-Methyl-2-Pentanone	-0.03	ND	2000.00
32)	Toluene		ND	~~400.00~~ 1000
34)	t-1,3-Dichloropropene		ND	400.00
35)	1,1,2-Trichloroethane		ND	400.00
36)	Tetrachloroethene		ND	400.00
37)	2-Hexanone		ND	6000.00
38)	Dibromochloromethane		ND	400.00
39)	1,2-Dibromoethane		ND	400.00
40)	Chlorobenzene		ND	400.00
41)	Ethylbenzene	-0.37	ND	400.00
42)	p,&m-Xylene		ND	400.00
43)	o-Xylene		ND	400.00
44)	Styrene		ND	400.00
45)	Bromoform		ND	400.00

Sample Name:	CQVTR102 OHM	Data Analyzed:	02/18/19 -1:3:
Misc. Info:	2.5 ML 18708-853 TEDLAR	Method:	MSA0218
Data Name:	A2142.D	Shift Cali.File:	CC02181.D
Data Path:	D:\GCMSA~1\990215\	Dilution Factor:	200

Compound	dRT	Result(ppbv)	RL(ppbv)
47) 1,1,2,2-Tetrachloroethane		ND	400.00
48) Benzyl Chloride		ND	2000.00
49) 4-Ethyl Toluene		ND	400.00
50) 1,3,5-Trimethylbenzene		ND	400.00
51) 1,2,4-Trimethylbenzene		ND	400.00
52) 1,3-Dichlorobenzene		ND	400.00
53) 1,4-Dichlorobenzene		ND	400.00
54) 1,2-Dichlorobenzene		ND	400.00
55) 1,2,4-Trichlorobenzene		ND	4000.00
56) Hexachlorobutadiene		ND	800.00
MTBE		ND	2000

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	159800	130380	OK	7.53	7.57	OK
1,4-Difluorobenzene	941018	787639	OK	9.22	9.28	OK
Chlorobenzene-d5	452455	388991	OK	14.67	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.80	101.6
Toluene-d8	50	52.11	104.2
4-Bromofluorobenzene	50	44.75	89.5

Comments: B 1167 is over loaded

Foot Notes:

1st Review: LR 2/18/99

2nd Review:

FEB 18'99 16:28 FR 714 258 0921 TO OHM-IRVINE P.11

-6

Quanterra Air Toxics Lab

Sample Name:	CQVTV102 OHM	**Data Analyzed:**	17 Feb 1999 18:36
Misc. Info:	500ml 18708-855 B170222-6 TED	**Method:**	MSB0217
Data Name:	B1166.D	**Shift Cali.File:**	CC02171.D
Data Path:	D:\GCMSB\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)	
2)	Dichlorodifluoromethane (1	-0.06	ND	0.0099	
3)	Chloromethan	-0.04	ND	0.0082	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140	
5)	Vinyl Chloride		ND	0.0051	
6)	Bromomethan		ND	0.0078	
7)	Chloroethane		ND	0.0105	
8)	Trichlorofluoromethane (11)		ND	0.0112	
9)	1,1-Dichloroethene	0.04	ND	0.0079	
10)	Carbon Disulfide	-0.01	ND	0.0311	
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	0.1032	0.0153	
12)	Acetone	0.03	ND	0.0237	
13)	Methylene Chloride	-0.00	ND	0.0069	
14)	t-1,2-Dichloroethene		ND	0.0079	
15)	1,1-Dichloroethane	0.02	ND	0.0081	
16)	Vinyl Acetate	0.23	ND ~~0.1609~~	0.0351	
17)	c-1,2-Dichloroethene	0.44	ND	0.0079	
18)	2-Butanone	0.37	ND ~~0.1418~~	0.0294	
19)	Chloroform	0.20	ND ~~0.0240~~	0.0097	
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109	
21)	Carbon Tetrachloride	0.00	ND	0.0126	
23)	Benzene	0.01	ND	0.0064	
25)	1,2-Dichloroethane	0.14	ND	0.0081	
26)	Trichloroethene	-0.01	ND	0.0107	
27)	1,2-Dichloropropane	-0.04	ND ~~0.0307~~	0.0092	
28)	Bromodichloromethane		ND	0.0134	
29)	c-1,3-Dichloropropene	0.29	ND	0.0091	
30)	4-Methyl-2-Pentanone	-0.28	ND ~~0.0902~~	0.0409	
32)	Toluene	-0.04	~~0.0134~~	~~0.0075~~	0.019
34)	t-1,3-Dichloropropene	-0.25	ND	0.0091	
35)	1,1,2-Trichloroethane	-0.01	ND	0.0109	
36)	Tetrachloroethene	-0.03	ND	0.0135	
37)	2-Hexanone	-0.20	ND	0.1226	
38)	Dibromochloromethane	-0.02	ND	0.0170	
39)	1,2-Dibromoethane	0.12	ND	0.0153	
40)	Chlorobenzene	-0.12	ND	0.0092	
41)	Ethylbenzene	-0.01	0.0115	0.0087	
42)	p,&m-Xylene	-0.02	0.0620	0.0087	
43)	o-Xylene	0.03	0.0094	0.0087	0.0714
44)	Styrene	0.00	ND	0.0085	
45)	Bromoform		ND	0.0206	

FEB 18'99 16:29 FR 714 258 0921 TO OHM-IRVINE P.16

Sample Name:	CQVTV102 OHM	**Data Analyzed:**	02/17/19 -1:8:
Misc. Info:	500ml 18708-855 B170222-6	**Method:**	MSB0217
Data Name:	B1166.D	**Shift Cali.File:**	CC02171.D
Data Path:	D:\GCMSB\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.33	ND ~~0.0592~~	0.0137
48)	Benzyl Chloride	0.03	~~0.1334~~	0.0518
49)	4-Ethyl Toluene	0.03	0.1570	0.0098
50)	1,3,5-Trimethylbenzene	0.07	0.1024	0.0098
51)	1,2,4-Trimethylbenzene	0.11	0.1524	0.0098
52)	1,3-Dichlorobenzene	0.17	ND	0.0120
53)	1,4-Dichlorobenzene	-0.05	ND	0.0120
54)	1,2-Dichlorobenzene	-0.34	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.04	ND	0.1481
56)	Hexachlorobutadiene	-0.49	ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	265145	278540	OK	7.07	7.05	OK
1,4-Difluorobenzene	974674	939058	OK	8.69	8.68	OK
Chlorobenzene-d5	523435	485218	OK	13.99	13.88	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.66	111.3
Toluene-d8	50	43.79	87.6
4-Bromofluorobenzene	50	54.31	108.6

Comments:

Foot Notes:

1st Review: LR 2/18/99 2nd Review

FEB 18'99 16:29 FR 714 258 0921 TO OHM-IRVINE P.17

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
222409
FORM 0019 REV. 2 97

OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Mizar Tinnit-Williams	(949) 660-5300	(949) 475-5433	MAB160190	Maria Jones	OHM Remediation

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
Still Gas Co Site 24	MCAS El Toro	18708	(714) 258-8610		Dwayne Ishida

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Mizar Tinnit-Williams	(949) 660-5300	(949) 475-5433	Quanterra	3347 Michelson Dr, Ste 200

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE, AND ZIPCODE
MCAS El Toro	Santa Ana CA	Lynn Hornecker, SW Div	Santa Ana CA	Irvine CA

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Bill Sedlak	(949) 660-5300	(949) 475-5433

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Hold. Conditional							Comments
1	18708-837	Vapor	2/16/99	0920	Ambient	2	III	24 hr		X							Analyze only if 18708-848 is detected for TCE.
2	18708-838	Vapor	2/16/99	1010	Ambient	3	III	24 hr	X								
3	18708-839	Vapor	2/16/99	1025	Ambient	1	III	24 hr		X							Analyze only if 18708-848 is detected for TCE.
4	18708-847	Vapor	2/16/99	1130	Ambient	3	III	24 hr	X								
5	18708-848	Vapor	2/16/99	1310	Ambient	2	III	24 hr	X								
6	18708-849	Vapor	2/16/99	1340	Ambient	3	III	24 hr	X								
7																	
8																	
9																	
10																	

2/16/99

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
	Cory E. [illegible]	2/16/99	3:00 PM	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. 245915 - Ambient (tubing 021199A)	X		X	X
2. 245915 @ 51.5' (used vacuum box)	X		X	
3. 245915 - Ambient (vacuum box)	X		X	X
4. 245915 @ 74' (tubing 021699A)	X		X	
5. 245915 - Ambient w/ tubing 021699A	X		X	
6. 245915 @ 95' (tubing 021699A)	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

 M9B160190 - 2

Quanterra Air Toxics Lab

Sample Name:	CQTNW-10Z OHM	**Data Analyzed:**	16 Feb 1999 17:22
Misc. Info:	500 ML 18708-838 B160190-2 TEDLAR	**Method:**	MSA0216
Data Name:	A2120.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.00	ND	2.00
3)	Chloromethane		ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.00	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	2.00
12)	Acetone	0.03	ND	10.00
13)	Methylene Chloride	0.03	ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	-0.09	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.34	ND	10.00
19)	Chloroform	-0.02	ND	2.00
20)	1,1,1-Trichloroethane		ND	2.00
21)	Carbon Tetrachloride	-0.00	ND	2.00
23)	Benzene	0.04	ND	2.00
25)	1,2-Dichloroethane		ND	2.00
26)	Trichloroethene	0.02	48.24	2.00
27)	1,2-Dichloropropane		ND	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene		ND	2.00
30)	4-Methyl-2-Pentanone	-0.07	ND	10.00
32)	Toluene	-0.08	~~2.20~~ ND RL	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.10	ND	2.00
36)	Tetrachloroethene	-0.02	3.40	2.00
37)	2-Hexanone		ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane		ND	2.00
40)	Chlorobenzene	-0.04	ND	2.00
41)	Ethylbenzene	0.03	ND	2.00
42)	p,&m-Xylene	0.03	ND	2.00
43)	o-Xylene	0.18	ND	2.00
44)	Styrene	0.08	ND	2.00
45)	Bromoform		ND	2.00

FEB 17'99 16:52 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	CQTNW-101 OHM	Data Analyzed:	02/16/19 -1:7:
Misc. Info:	500 ML 18708-838 B160190-2 TEDL	Method:	MSA0216
Data Name:	A2120.D	Shift Cali.File:	CC02161.D
Data Path:	D:\GCMSA-1\990215\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.17	ND	2.00
48)	Benzyl Chloride	0.30	ND	10.00
49)	4-Ethyl Toluene	0.24	ND	2.00
50)	1,3,5-Trimethylbenzene	0.27	ND	2.00
51)	1,2,4-Trimethylbenzene	0.11	ND	2.00
52)	1,3-Dichlorobenzene	0.17	ND	2.00
53)	1,4-Dichlorobenzene	0.03	ND	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	TO

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	140439	OK	7.53	7.54	OK
1,4-Difluorobenzene	807465	781575	OK	9.24	9.23	OK
Chlorobenzene-d5	402152	384087	OK	14.70	14.57	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.82	95.6
Toluene-d8	50	49.19	98.4
4-Bromofluorobenzene	50	50.74	101.5

Comments: A2117 NOT USED - TOO DILUTE

Foot Notes:

1st Review: PN 2/17/99

2nd Review:

FEB 17'99 16:52 FR 714 258 0921 TO OHM-IRVINE P.03

M9B160190-4

Quanterra Air Toxics Lab

Sample Name:	CQTP0-10Z OHM	**Data Analyzed:**	16 Feb 1999 17:48
Misc. Info:	500 ML 18708-847 B160190-4 TEDLAR	**Method:**	MSA0216
Data Name:	A2121.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	2.00
3)	Chloromethane	0.02	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)		ND	2.00
9)	1,1-Dichloroethene	0.29	ND	2.00
10)	Carbon Disulfide	-0.11	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.10	18.67	2.00
12)	Acetone	-0.04	17.41	10.00
13)	Methylene Chloride	-0.07	~~2.36~~ ND MS	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.06	ND	2.00
16)	Vinyl Acetate	0.17	~~28.32~~ ND RT	10.00
17)	c-1,2-Dichloroethene	-0.25	ND	2.00
18)	2-Butanone	-0.02	ND	10.00
19)	Chloroform	0.15	~~5.30~~ ND RT, MS	2.00
20)	1,1,1-Trichloroethane	0.14	ND	2.00
21)	Carbon Tetrachloride	0.01	3.85	2.00
23)	Benzene	0.01	3.19 F	2.00
25)	1,2-Dichloroethane	0.12	~~2.48~~ ND RT	2.00
26)	Trichloroethene	0.03	ND	2.00
27)	1,2-Dichloropropane	-0.11	~~15.37~~ ND RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.37	ND	2.00
30)	4-Methyl-2-Pentanone	-0.35	~~19.28~~ ND RT	10.00
32)	Toluene	-0.06	6.75	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.28	ND	2.00
36)	Tetrachloroethene	-0.06	14.63	2.00
37)	2-Hexanone	-0.20	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	-0.24	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	ND	2.00
42)	p,&m-Xylene	0.03	4.46	2.00
43)	o-Xylene	0.01	ND	2.00
44)	Styrene	0.04	ND	2.00
45)	Bromoform		ND	2.00

FEB 17'99 16:53 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	CQTP0-101 OHM	**Data Analyzed:**	02/16/19 -1:7:
Misc. Info:	500 ML 18708-847 B160190-4 TEDL	**Method:**	MSA0216
Data Name:	A2121.D	**Shift Call.File:**	CC02161.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.16	ND	2.00
48)	Benzyl Chloride	0.19	ND	10.00
49)	4-Ethyl Toluene	0.24	ND	2.00
50)	1,3,5-Trimethylbenzene	0.05	ND	2.00
51)	1,2,4-Trimethylbenzene	0.17	ND	2.00
52)	1,3-Dichlorobenzene	0.21	~~17.25~~ ND RT	2.00
53)	1,4-Dichlorobenzene	0.07	16.05	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		A10	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	149646	OK	7.53	7.49	OK
1,4-Difluorobenzene	807465	849530	OK	9.24	9.19	OK
Chlorobenzene-d5	402152	411415	OK	14.70	14.56	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	63.45	126.9
Toluene-d8	50	49.51	99.0
4-Bromofluorobenzene	50	51.19	102.4

Comments:

Foot Notes: F

1st Review: PNS 2/17/99

2nd Review:

FEB 17'99 16:53 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	CQTP2-10~~2~~ OHM	**Data Analyzed:**	16 Feb 1999 18:15
Misc. Info:	500 ML 18708-848 B160190-5 TEDLAR	**Method:**	MSA0216
Data Name:	A2122.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.02	ND	2.00
3)	Chloromethane	-0.02	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	2.00
12)	Acetone	0.01	13.19	10.00
13)	Methylene Chloride		ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.35	ND	2.00
16)	Vinyl Acetate	0.19	~~29.34~~ ND RT	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.30	~~50.13~~ ND RT	10.00
19)	Chloroform	-0.05	ND	2.00
20)	1,1,1-Trichloroethane	-0.03	ND	2.00
21)	Carbon Tetrachloride	-0.02	ND	2.00
23)	Benzene	-0.04	ND	2.00
25)	1,2-Dichloroethane	0.14	~~2.24~~ ND RT	2.00
26)	Trichloroethene	0.02	ND	2.00
27)	1,2-Dichloropropane	-0.10	~~13.13~~ ND RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.36	ND	2.00
30)	4-Methyl-2-Pentanone	-0.39	~~18.11~~ ND RT	10.00
32)	Toluene	-0.08	8.26	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.11	ND	2.00
36)	Tetrachloroethene	-0.04	8.52	2.00
37)	2-Hexanone	0.09	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	-0.26	ND	2.00
40)	Chlorobenzene	0.02	ND	2.00
41)	Ethylbenzene	0.02	ND	2.00
42)	p,&m-Xylene	0.02	4.29	2.00
43)	o-Xylene	0.06	ND	2.00
44)	Styrene	0.05	ND	2.00
45)	Bromoform		ND	2.00

FEB 17'99 16:54 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	CQTP2-101 OHM	**Data Analyzed:**	02/16/19 -1:8:
Misc. Info:	500 ML 18708-848 B160190-5 TEDL	**Method:**	MSA0216
Data Name:	A2122.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.15	ND	2.00
48)	Benzyl Chloride	0.28	ND	10.00
49)	4-Ethyl Toluene	0.05	ND	2.00
50)	1,3,5-Trimethylbenzene	0.30	~~12.32~~ ND RT	2.00
51)	1,2,4-Trimethylbenzene	0.11	ND	2.00
52)	1,3-Dichlorobenzene	0.11	~~17.26~~ ND RT	2.00
53)	1,4-Dichlorobenzene	-0.03	15.99	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	148980	OK	7.53	7.54	OK
1,4-Difluorobenzene	807465	898530	OK	9.24	9.22	OK
Chlorobenzene-d5	402152	442216	OK	14.70	14.58	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	57.59	115.2
Toluene-d8	50	47.45	94.9
4-Bromofluorobenzene	50	51.11	102.2

Comments:

Foot Notes:

1st Review: PM 2/17/99

2nd Review:

FEB 17'99 16:54 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	CQTP3-10~~1~~2 OHM	**Data Analyzed:**	16 Feb 1999 18:42
Misc. Info:	500 ML 18708-849 B160190-6 TEDLAR	**Method:**	MSA0216
Data Name:	A2123.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	2.00
3)	Chloromethane	0.01	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)		ND	2.00
9)	1,1-Dichloroethene	0.04	ND	2.00
10)	Carbon Disulfide	-0.00	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.08	63.53	2.00
12)	Acetone	-0.05	28.44	10.00
13)	Methylene Chloride		ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	0.29	ND	2.00
16)	Vinyl Acetate	0.18	~~32.79~~ ND RT	10.00
17)	c-1,2-Dichloroethene	0.48	ND	2.00
18)	2-Butanone	-0.00	ND	10.00
19)	Chloroform	-0.03	ND	2.00
20)	1,1,1-Trichloroethane	0.33	ND	2.00
21)	Carbon Tetrachloride	-0.01	13.87	2.00
23)	Benzene	0.01	5.61 F	2.00
25)	1,2-Dichloroethane	0.06	~~2.20~~ ND MS	2.00
26)	Trichloroethene	0.00	6.48	2.00
27)	1,2-Dichloropropane	-0.10	~~18.14~~ ND RT, MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.49	ND	2.00
30)	4-Methyl-2-Pentanone	-0.36	~~19.70~~ ND RT	10.00
32)	Toluene	-0.04	8.68	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.37	ND	2.00
35)	1,1,2-Trichloroethane	0.09	ND	2.00
36)	Tetrachloroethene	-0.05	10.36	2.00
37)	2-Hexanone	-0.18	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	0.30	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	ND	2.00
42)	p,&m-Xylene	0.00	3.34	2.00
43)	o-Xylene	0.02	ND	2.00
44)	Styrene	0.11	ND	2.00
45)	Bromoform		ND	2.00

FEB 17'99 16:55 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	CQTP3-101 OHM	**Data Analyzed:**	02/16/19 -1:8:
Misc. Info:	500 ML 18708-849 B160190-6 TEDL	**Method:**	MSA0216
Data Name:	A2123.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

Compound	dRT	Result(ppbv)	RL(ppbv)
47) 1,1,2,2-Tetrachloroethane	0.22	ND	2.00
48) Benzyl Chloride	0.14	ND	10.00
49) 4-Ethyl Toluene	0.05	ND	2.00
50) 1,3,5-Trimethylbenzene	0.06	ND	2.00
51) 1,2,4-Trimethylbenzene	0.08	ND	2.00
52) 1,3-Dichlorobenzene	0.08	~~11.05~~ ND RT	2.00
53) 1,4-Dichlorobenzene	-0.06	11.11	2.00
54) 1,2-Dichlorobenzene		ND	2.00
55) 1,2,4-Trichlorobenzene		ND	20.00
56) Hexachlorobutadiene		ND	4.00
MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	171319	OK	7.53	7.50	OK
1,4-Difluorobenzene	807465	1005991	OK	9.24	9.20	OK
Chlorobenzene-d5	402152	461903	OK	14.70	14.61	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.05	110.1
Toluene-d8	50	47.88	95.8
4-Bromofluorobenzene	50	51.18	102.4

Comments:

Foot Notes: F

1st Review: PLS 2/17/99

2nd Review:

FEB 17'99 16:55 FR 714 258 0921 TO OHM-IRVINE P.15

Quanterra Air Toxics Lab

Sample Name:	CQTNW-~~107~~ -101 OHM	**Data Analyzed:**	16 Feb 1999 17:22
Misc. Info:	500 ML 18708-838 B160190-2 TEDLAR	**Method:**	MSA0216
Data Name:	A2120.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.00	ND	0.0099
3)	Chloromethane		ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	0.03	ND	0.0237
13)	Methylene Chloride	0.03	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.09	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.34	ND	0.0294
19)	Chloroform	-0.02	ND	0.0097
20)	1,1,1-Trichloroethane		ND	0.0109
21)	Carbon Tetrachloride	-0.00	ND	0.0126
23)	Benzene	0.04	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	0.02	0.2587	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene		ND	0.0091
30)	4-Methyl-2-Pentanone	-0.07	ND	0.0409
32)	Toluene	-0.08	~~0.0083~~ ND RL	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.10	ND	0.0109
36)	Tetrachloroethene	-0.02	0.0230	0.0135
37)	2-Hexanone		ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene	-0.04	ND	0.0092
41)	Ethylbenzene	0.03	ND	0.0087
42)	p,&m-Xylene	0.03	ND	0.0087
43)	o-Xylene	0.18	ND	0.0087
44)	Styrene	0.08	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 17'99 16:52 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	CQTNW-101 OHM	**Data Analyzed:**	02/16/19 -1:7:
Misc. Info:	500 ML 18708-838 B160190-2 TED	**Method:**	MSA0216
Data Name:	A2120.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.17	ND	0.0137
48)	Benzyl Chloride	0.30	ND	0.0518
49)	4-Ethyl Toluene	0.24	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.27	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.11	ND	0.0098
52)	1,3-Dichlorobenzene	0.17	ND	0.0120
53)	1,4-Dichlorobenzene	0.03	ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	140439	OK	7.53	7.54	OK
1,4-Difluorobenzene	807465	781575	OK	9.24	9.23	OK
Chlorobenzene-d5	402152	384087	OK	14.70	14.57	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.82	95.6
Toluene-d8	50	49.19	98.4
4-Bromofluorobenzene	50	50.74	101.5

Comments:

Foot Notes:

1st Review: PM 2/17/99 2nd Review

FEB 17'99 16:52 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	CQTP0-~~192~~ 181 OHM	**Data Analyzed:**	16 Feb 1999 17:48
Misc. Info:	500 ML 18708-847 B160190-4 TEDLAR	**Method:**	MSA0216
Data Name:	a2121.d	**Shift Call.File:**	CC02161.D
Data Path:	d:\gcmsa-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)			RL(ug/L)	
2)	Dichlorodifluoromethane (12)		ND			0.0099	
3)	Chloromethane	0.02	ND			0.0082	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND			0.0140	
5)	Vinyl Chloride		ND			0.0051	
6)	Bromomethane		ND			0.0078	
7)	Chloroethane		ND			0.0105	
8)	Trichlorofluoromethane (11)		ND			0.0112	
9)	1,1-Dichloroethene	0.29	ND			0.0079	
10)	Carbon Disulfide	-0.11	ND			0.0311	
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.10	0.1428			0.0153	
12)	Acetone	-0.04	0.0413			0.0237	
13)	Methylene Chloride	-0.07	~~0.0081~~	ND	RS	0.0069	
14)	t-1,2-Dichloroethene		ND			0.0079	
15)	1,1-Dichloroethane	0.06	ND			0.0081	
16)	Vinyl Acetate	0.17	~~0.0885~~	ND	RT	0.0351	
17)	c-1,2-Dichloroethene	-0.25	ND			0.0079	
18)	2-Butanone	-0.02	ND			0.0294	
19)	Chloroform	0.15	~~0.0268~~	ND	RT, RS	0.0097	
20)	1,1,1-Trichloroethane	0.14	ND			0.0109	
21)	Carbon Tetrachloride	0.01	0.0242			0.0126	
23)	Benzene	0.01	0.0102	F		0.0064	
25)	1,2-Dichloroethane	0.12	~~0.0100~~	ND	RT	0.0081	
26)	Trichloroethene	0.03	ND			0.0107	
27)	1,2-Dichloropropane	-0.11	~~0.0789~~	ND	RT	0.0092	
28)	Bromodichloromethane		ND			0.0134	
29)	c-1,3-Dichloropropene	-0.37	ND			0.0091	
30)	4-Methyl-2-Pentanone	-0.35	~~0.0787~~	ND	RT	0.0409	
32)	Toluene	-0.06	0.0254			~~0.0075~~	0.019
34)	t-1,3-Dichloropropene		ND			0.0091	
35)	1,1,2-Trichloroethane	0.28	ND			0.0109	
36)	Tetrachloroethene	-0.06	0.0990			0.0135	
37)	2-Hexanone	-0.20	ND			0.1226	
38)	Dibromochloromethane		ND			0.0170	
39)	1,2-Dibromoethane	-0.24	ND			0.0153	
40)	Chlorobenzene		ND			0.0092	
41)	Ethylbenzene	0.02	ND			0.0087	
42)	p,&m-Xylene	0.03	0.0193			0.0087	
43)	o-Xylene	0.01	ND			0.0087	
44)	Styrene	0.04	ND			0.0085	
45)	Bromoform		ND			0.0206	

FEB 17'99 16:53 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	CQTP0-101 OHM	**Data Analyzed:**	02/16/19 -1:7:
Misc. Info:	500 ML 18708-847 B160190-4 TED	**Method:**	MSA0216
Data Name:	a2121.d	**Shift Call.File:**	CC02161.D
Data Path:	d:\gcmsa-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.16	ND	0.0137
48)	Benzyl Chloride	0.19	ND	0.0518
49)	4-Ethyl Toluene	0.24	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.05	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.17	ND	0.0098
52)	1,3-Dichlorobenzene	0.21	~~0.1035~~ ND RT	0.0120
53)	1,4-Dichlorobenzene	0.07	0.0963	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	149646	OK	7.53	7.49	OK
1,4-Difluorobenzene	807465	849530	OK	9.24	9.19	OK
Chlorobenzene-d5	402152	411415	OK	14.70	14.56	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	63.45	126.9
Toluene-d8	50	49.51	99.0
4-Bromofluorobenzene	50	51.19	102.4

Comments:

Foot Notes: F

1st Review: PM 2/17/99 2nd Review

FEB 17'99 16:53 FR 714 258 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	CQTP2-~~102~~ 101 OHM	**Data Analyzed:**	16 Feb 1999 18:15
Misc. Info:	500 ML 18708-848 B160190-5 TEDLAR	**Method:**	MSA0216
Data Name:	a2122.d	**Shift Call.File:**	CC02161.D
Data Path:	d:\gcmsa~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.02	ND	0.0099
3)	Chloromethane	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	0.01	0.0313	0.0237
13)	Methylene Chloride		ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.35	ND	0.0081
16)	Vinyl Acetate	0.19	~~0.1657~~ ND RT	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.30	~~0.1740~~ ND RT	0.0294
19)	Chloroform	-0.05	ND	0.0097
20)	1,1,1-Trichloroethane	-0.03	ND	0.0109
21)	Carbon Tetrachloride	-0.02	ND	0.0126
23)	Benzene	-0.04	ND	0.0064
25)	1,2-Dichloroethane	0.14	~~0.0091~~ ND RT	0.0081
26)	Trichloroethene	0.02	ND	0.0107
27)	1,2-Dichloropropane	-0.10	~~0.0606~~ ND RT	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.36	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.39	~~0.0740~~ ND RT	0.0409
32)	Toluene	-0.08	0.0311	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.11	ND	0.0109
36)	Tetrachloroethene	-0.04	0.0577	0.0135
37)	2-Hexanone	0.09	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	-0.26	ND	0.0153
40)	Chlorobenzene	0.02	ND	0.0092
41)	Ethylbenzene	0.02	ND	0.0087
42)	p,&m-Xylene	0.02	0.0186	0.0087
43)	o-Xylene	0.06	ND	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 17'99 16:54 FR 714 258 0921 TO OHM-IRVINE P.12

Sample Name:	CQTP2-101 OHM	**Data Analyzed:**	02/16/19 -1:8:
Misc. Info:	500 ML 18708-848 B160190-5 TED	**Method:**	MSA0216
Data Name:	a2122.d	**Shift Cali.File:**	CC02161.D
Data Path:	d:\gcmsa-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.15	ND	0.0137
48)	Benzyl Chloride	0.28	ND	0.0518
49)	4-Ethyl Toluene	0.05	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.30	~~0.0004~~ ND RT	0.0098
51)	1,2,4-Trimethylbenzene	0.11	ND	0.0098
52)	1,3-Dichlorobenzene	0.11	~~0.1036~~ ND RT	0.0120
53)	1,4-Dichlorobenzene	-0.03	0.0959	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	148980	OK	7.53	7.54	OK
1,4-Difluorobenzene	807465	898530	OK	9.24	9.22	OK
Chlorobenzene-d5	402152	442216	OK	14.70	14.58	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	57.59	115.2
Toluene-d8	50	47.45	94.9
4-Bromofluorobenzene	50	51.11	102.2

Comments:

Foot Notes:

1st Review: PN 2/17/99 2nd Review

FEB 17'99 16:54 FR 714 258 0921 TO OHM-IRVINE P.13

Quanterra Air Toxics Lab

Sample Name:	CQTP3-~~102~~ -101 OHM	**Data Analyzed:**	16 Feb 1999 18:42
Misc. Info:	500 ML 18708-849 B160190-6 TEDLAR	**Method:**	MSA0216
Data Name:	A2123.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA~1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)		ND	0.0099
3)	Chloromethane	0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)		ND	0.0112
9)	1,1-Dichloroethene	0.04	ND	0.0079
10)	Carbon Disulfide	-0.00	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.08	0.4859	0.0153
12)	Acetone	-0.05	0.0674	0.0237
13)	Methylene Chloride		ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.29	ND	0.0081
16)	Vinyl Acetate	0.18	~~0.1152~~ ND RT	0.0351
17)	c-1,2-Dichloroethene	0.48	ND	0.0079
18)	2-Butanone	-0.00	ND	0.0294
19)	Chloroform	-0.03	ND	0.0097
20)	1,1,1-Trichloroethane	0.33	ND	0.0109
21)	Carbon Tetrachloride	-0.01	0.0871	0.0126
23)	Benzene	0.01	0.0179 F	0.0064
25)	1,2-Dichloroethane	0.06	~~0.0093~~ ND MS	0.0081
26)	Trichloroethene	0.00	0.0347	0.0107
27)	1,2-Dichloropropane	-0.10	~~0.0744~~ ND RT, MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.49	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.36	~~0.0806~~ ND RT	0.0409
32)	Toluene	-0.04	0.0326	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.37	ND	0.0091
35)	1,1,2-Trichloroethane	0.09	ND	0.0109
36)	Tetrachloroethene	-0.05	0.0702	0.0135
37)	2-Hexanone	-0.18	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	0.30	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	ND	0.0087
42)	p,&m-Xylene	0.00	0.0145	0.0087
43)	o-Xylene	0.02	ND	0.0087
44)	Styrene	0.11	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 17'99 16:55 FR 714 258 0921 TO OHM-IRVINE P.16

Sample Name:	CQTP3-101 OHM	**Data Analyzed:**	02/16/19 -1:8:
Misc. Info:	500 ML 18708-849 B160190-6 TED	**Method:**	MSA0216
Data Name:	A2123.D	**Shift Cali.File:**	CC02161.D
Data Path:	D:\GCMSA-1\990215\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.22	ND	0.0137
48)	Benzyl Chloride	0.14	ND	0.0518
49)	4-Ethyl Toluene	0.05	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.06	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.08	ND	0.0098
52)	1,3-Dichlorobenzene	0.08	~~0.0711~~ ND RT	0.0120
53)	1,4-Dichlorobenzene	-0.06	0.0667	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	150216	171319	OK	7.53	7.50	OK
1,4-Difluorobenzene	807465	1005991	OK	9.24	9.20	OK
Chlorobenzene-d5	402152	461903	OK	14.70	14.61	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.05	110.1
Toluene-d8	50	47.88	95.8
4-Bromofluorobenzene	50	51.18	102.4

Comments:

Foot Notes: F

1st Review: PM 2/17/99 2nd Review

FEB 17'99 16:55 FR 714 258 0921 TO OHM-IRVINE P.17

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
222406
FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Mazar Tinnit-Williams	(419) 660-5300	(419) 475-5433	M9B120190	Maria Jones	OHM Remediation
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
Soil Gas @ Site 24	MCAS El Toro	18708	(714) 258-8610		Duayne Ishida
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
Mazar Tinnit-Williams	(949) 660-5300	(949) 475-5433	Quanterra		3347 Michelson Dr., Ste. 200
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE, AND ZIPCODE**
MCAS El Toro	Santa Ana CA	Lynn Hunnicker, SW Div	Santa Ana CA		Irvine CA
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
Bill Sedlak	(949) 660-5300	(949) 475-5433			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO-14	Analyses: HVOC-Multilevel	Comments
1	18708-827	Vapor	2/12/99	1012	Ambient	1	III	24 hr.		X	Analyze only if TCE is detected in 18708-828
2	18708-828	Vapor	2/12/99	1020	Ambient	2	III	24 hr.	X		
3	18708-829	Vapor	2/12/99	1045	Ambient	3	III	24 hr.	X		
4	18708-830	Vapor	2/12/99	1150	Ambient	3	III	24 hr.	X		
5	18708-831	Vapor	2/12/99	1155	Ambient	2	IV	24 hr.	X		
6											
7											
8											
9											
10											

Analyze 'A' Bag first

Linda Tinley 2/12/99

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER				COOLER TEMPERATURE UPON RECEIPT
Linda Tinley					
RELINQUISHED BY	**RECEIVED BY**	**DATE**	**TIME**	**SAMPLE'S CONDITION UPON RECEIPT**	
Linda Tinley	[illegible]	2-12-99	1245		

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1. 24SG148A - Amb (no tubing)	X		X	X
2. 24SG148A - Amb (Tubing 020999A)	X		X	X
3. 24SG148A - @ 44'	X		X	
4. 24SG148A - @ 71' (Tubing 021199A)	X		X	
5. 24SG148A - @ 71' (Duplicate)	X		X	X

Comments

SG148A @ Site 24

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

M9B120190 -2

Quanterra Air Toxics Lab

Sample Name:	CQQQJ-001 OHM	**Data Analyzed:**	12 Feb 1999 14:43
Misc. Info:	500ml 18708-828 B120190-2 TEDLA	**Method:**	MSB0212
Data Name:	B1117.D	**Shift Cali.File:**	CC02121.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

Compound	dRT	Result(ppbv)	RL(ppbv)
2) Dichlorodifluoromethane (12)	-0.01	ND	2.00
3) Chloromethane	-0.01	ND	4.00
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5) Vinyl Chloride		ND	2.00
6) Bromomethane	0.01	ND	2.00
7) Chloroethane		ND	4.00
8) Trichlorofluoromethane (11)	-0.00	ND	2.00
9) 1,1-Dichloroethene		ND	2.00
10) Carbon Disulfide	0.01	ND	10.00
11) 1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	2.00
12) Acetone	0.01	11.17	10.00
13) Methylene Chloride	-0.00	~~2.84~~ ND MS	2.00
14) t-1,2-Dichloroethene	-0.28	ND	2.00
15) 1,1-Dichloroethane	0.01	ND	2.00
16) Vinyl Acetate	0.23	ND	10.00
17) c-1,2-Dichloroethene	-0.17	ND	2.00
18) 2-Butanone	0.01	ND	10.00
19) Chloroform	0.23	ND	2.00
20) 1,1,1-Trichloroethane	0.04	ND	2.00
21) Carbon Tetrachloride	0.03	ND	2.00
23) Benzene	0.01	ND	2.00
25) 1,2-Dichloroethane	0.18	ND	2.00
26) Trichloroethene	-0.02	ND	2.00
27) 1,2-Dichloropropane	-0.07	~~2.77~~ ND MS	2.00
28) Bromodichloromethane		ND	2.00
29) c-1,3-Dichloropropene	-0.38	ND	2.00
30) 4-Methyl-2-Pentanone	-0.25	ND	10.00
32) Toluene	-0.04	6.71	~~2.00~~ 5.00
34) t-1,3-Dichloropropene		ND	2.00
35) 1,1,2-Trichloroethane	-0.10	ND	2.00
36) Tetrachloroethene	-0.04	ND	2.00
37) 2-Hexanone	-0.08	ND	30.00
38) Dibromochloromethane	-0.01	ND	2.00
39) 1,2-Dibromoethane	-0.21	ND	2.00
40) Chlorobenzene	0.01	ND	2.00
41) Ethylbenzene	0.00	3.68	2.00
42) p,&m-Xylene TOTAL	0.02	11.75	2.00
43) o-Xylene XYLENES	0.00	15.41 3.66	2.00
44) Styrene	0.01	ND	2.00
45) Bromoform		ND	2.00

FEB 15'99 15:53 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	CQQQJ-001 OHM	**Data Analyzed:**	02/12/19 -1:4:
Misc. Info:	500ml 18708-828 B120190-2 TE	**Method:**	MSB0212
Data Name:	B1117.D	**Shift Cali.File:**	CC02121.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.24	ND	2.00
48)	Benzyl Chloride	0.09	ND	10.00
49)	4-Ethyl Toluene	0.01	ND	2.00
50)	1,3,5-Trimethylbenzene	0.03	ND	2.00
51)	1,2,4-Trimethylbenzene	0.04	ND	2.00
52)	1,3-Dichlorobenzene	0.05	29.78	2.00
53)	1,4-Dichlorobenzene	0.05	ND	2.00
54)	1,2-Dichlorobenzene	-0.47	ND	2.00
55)	1,2,4-Trichlorobenzene	0.07	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	289350	OK	7.08	7.07	OK
1,4-Difluorobenzene	1237768	1238313	OK	8.72	8.71	OK
Chlorobenzene-d5	637158	730633	OK	14.03	14.00	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.82	103.6
Toluene-d8	50	52.71	105.4
4-Bromofluorobenzene	50	42.69	85.4

Comments:

Foot Notes:

1st Review: PN 2/15/99 2nd Review:

FEB 15'99 15:53 FR 714 258 0921 TO OHM-IRVINE P.03

M9B120190-3

Quanterra Air Toxics Lab

Sample Name:	CQQQL-001 OHM	**Data Analyzed:**	12 Feb 1999 15:18
Misc. Info:	500ml 18708-829 B120190-3 TEDLA	**Method:**	MSB0212
Data Name:	B1118.D	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.12	ND	2.00
3)	Chloromethane	0.13	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene	-0.03	19.27	2.00
10)	Carbon Disulfide	-0.04	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	37.12	2.00
12)	Acetone	-0.01	30.25	10.00
13)	Methylene Chloride	0.00	~~8.03~~ ND MS	2.00
14)	t-1,2-Dichloroethene	-0.04	ND	2.00
15)	1,1-Dichloroethane	0.02	ND	2.00
16)	Vinyl Acetate	0.24	~~15.20~~ ND RT	10.00
17)	c-1,2-Dichloroethene	0.02	ND	2.00
18)	2-Butanone	-0.00	ND	10.00
19)	Chloroform	0.02	597.91 E	2.00
20)	1,1,1-Trichloroethane	-0.04	ND	2.00
21)	Carbon Tetrachloride	0.02	43.86	2.00
23)	Benzene	0.01	3.81 E	2.00
25)	1,2-Dichloroethane	0.02	69.44	2.00
26)	Trichloroethene	0.00	162.15	2.00
27)	1,2-Dichloropropane	-0.07	~~4.81~~ ND MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.34	ND	2.00
30)	4-Methyl-2-Pentanone	-0.24	ND	10.00
32)	Toluene	-0.02	6.68	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.16	ND	2.00
35)	1,1,2-Trichloroethane	-0.01	ND	2.00
36)	Tetrachloroethene	-0.02	ND	2.00
37)	2-Hexanone	-0.01	ND	30.00
38)	Dibromochloromethane	-0.07	ND	2.00
39)	1,2-Dibromoethane	-0.23	ND	2.00
40)	Chlorobenzene	-0.03	ND	2.00
41)	Ethylbenzene	0.01	3.06	2.00
42)	p,&m-Xylene TOTAL	0.02	9.34	2.00
43)	o-Xylene XYLENES	0.01	12.46 3.12	2.00
44)	Styrene	0.02	ND	2.00
45)	Bromoform		ND	2.00

FEB 15'99 15:54 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	CQQQL-001 OHM	**Data Analyzed:**	02/12/19 -1:5:
Misc. Info:	500ml 18708-829 B120190-3 TE	**Method:**	MSB0212
Data Name:	B1118.D	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.16	ND	2.00
48)	Benzyl Chloride	-0.07	ND	10.00
49)	4-Ethyl Toluene	0.02	ND	2.00
50)	1,3,5-Trimethylbenzene	0.07	ND	2.00
51)	1,2,4-Trimethylbenzene	0.01	ND	2.00
52)	1,3-Dichlorobenzene	0.14	22.71	2.00
53)	1,4-Dichlorobenzene	-0.09	~~22.58~~ ND RT	2.00
54)	1,2-Dichlorobenzene	-0.42	ND	2.00
55)	1,2,4-Trichlorobenzene	0.10	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	300927	OK	7.08	7.05	OK
1,4-Difluorobenzene	1237768	1243073	OK	8.72	8.69	OK
Chlorobenzene-d5	637158	782693	OK	14.03	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	60.86	121.7
Toluene-d8	50	53.69	107.4
4-Bromofluorobenzene	50	48.57	97.1

Comments:

Foot Notes: E, F

1st Review: PN 2/15/99

2nd Review:

FEB 15'99 15:54 FR 714 258 0921 TO OHM-IRVINE P.07

M913120190-4

Quanterra Air Toxics Lab

Sample Name:	CQQQN-001 OHM	**Data Analyzed:**	12 Feb 1999 15:45
Misc. Info:	150ml 18708-830 B120190-4 TEDLA	**Method:**	MSB0212
Data Name:	B1119.D	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.07	ND	6.67
3)	Chloromethane	0.23	ND	13.33
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	6.67
5)	Vinyl Chloride		ND	6.67
6)	Bromomethane		ND	6.67
7)	Chloroethane		ND	13.33
8)	Trichlorofluoromethane (11)		ND	6.67
9)	1,1-Dichloroethene	-0.02	21.51	6.67
10)	Carbon Disulfide	-0.03	ND	33.33
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	43.89	6.67
12)	Acetone	-0.01	ND	33.33
13)	Methylene Chloride	-0.00	8.12	6.67
14)	t-1,2-Dichloroethene	-0.37	ND	6.67
15)	1,1-Dichloroethane	0.46	ND	6.67
16)	Vinyl Acetate	0.23	ND	33.33
17)	c-1,2-Dichloroethene	0.02	ND	6.67
18)	2-Butanone	0.03	ND	33.33
19)	Chloroform	0.00	613.52	6.67
20)	1,1,1-Trichloroethane	0.23	ND	6.67
21)	Carbon Tetrachloride	0.01	46.37	6.67
23)	Benzene	-0.00	ND	6.67
25)	1,2-Dichloroethane	0.02	70.89	6.67
26)	Trichloroethene	0.02	342.68	6.67
27)	1,2-Dichloropropane	-0.04	~~10.59~~ ND MS	6.67
28)	Bromodichloromethane		ND	6.67
29)	c-1,3-Dichloropropene	-0.33	ND	6.67
30)	4-Methyl-2-Pentanone	-0.48	ND	33.33
32)	Toluene	0.00	~~9.84~~ ND RL	~~6.67~~ 16.68
34)	t-1,3-Dichloropropene	-0.26	ND	6.67
35)	1,1,2-Trichloroethane	-0.19	ND	6.67
36)	Tetrachloroethene	0.00	ND	6.67
37)	2-Hexanone	-0.08	ND	99.99
38)	Dibromochloromethane	-0.07	ND	6.67
39)	1,2-Dibromoethane	-0.19	ND	6.67
40)	Chlorobenzene		ND	6.67
41)	Ethylbenzene	-0.00	ND	6.67
42)	p,&m-Xylene	-0.02	7.86	6.67
43)	o-Xylene	-0.01	ND	6.67
44)	Styrene	-0.04	ND	6.67
45)	Bromoform		ND	6.67

FEB 15'99 15:55 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	CQQQN-001 OHM	**Data Analyzed:**	02/12/19 -1:5:
Misc. Info:	150ml 18708-830 B120190-4 TE	**Method:**	MSB0212
Data Name:	B1119.D	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.13	ND	6.67
48)	Benzyl Chloride	-0.29	ND	33.33
49)	4-Ethyl Toluene	-0.04	ND	6.67
50)	1,3,5-Trimethylbenzene	0.02	ND	6.67
51)	1,2,4-Trimethylbenzene	0.03	ND	6.67
52)	1,3-Dichlorobenzene	0.03	22.80	6.67
53)	1,4-Dichlorobenzene	0.03	ND	6.67
54)	1,2-Dichlorobenzene		ND	6.67
55)	1,2,4-Trichlorobenzene	-0.01	ND	66.66
56)	Hexachlorobutadiene		ND	13.33
	MTBE		NO	33.33

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	286123	OK	7.08	7.07	OK
1,4-Difluorobenzene	1237768	1326601	OK	8.72	8.71	OK
Chlorobenzene-d5	637158	690457	OK	14.03	14.03	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.33	106.7
Toluene-d8	50	50.22	100.4
4-Bromofluorobenzene	50	46.80	93.6

Comments:

Foot Notes:

1st Review: PNS 2/15/99 2nd Review:

FEB 15'99 15:55 FR 714 258 0921 TO OHM-IRVINE P.11

M9B120190-5

Quanterra Air Toxics Lab

Sample Name:	CQQQQ-001 OHM	**Data Analyzed:**	12 Feb 1999 16:12
Misc. Info:	150ml 18708-831 B120190-5 TEDLA	**Method:**	MSB0212
Data Name:	B1120.D	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	6.67
3)	Chloromethane	-0.17	ND	13.33
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.09	ND	6.67
5)	Vinyl Chloride		ND	6.67
6)	Bromomethane	0.06	ND	6.67
7)	Chloroethane		ND	13.33
8)	Trichlorofluoromethane (11)	0.01	ND	6.67
9)	1,1-Dichloroethene	-0.02	29.26	6.67
10)	Carbon Disulfide	-0.02	ND	33.33
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	57.11	6.67
12)	Acetone	0.42	~~770.35~~ NO RT	33.33
13)	Methylene Chloride	-0.00	12.82	6.67
14)	t-1,2-Dichloroethene	-0.28	ND	6.67
15)	1,1-Dichloroethane	0.01	ND	6.67
16)	Vinyl Acetate	-0.16	ND	33.33
17)	c-1,2-Dichloroethene	0.01	ND	6.67
18)	2-Butanone	-0.01	ND	33.33
19)	Chloroform	0.01	885.22	6.67
20)	1,1,1-Trichloroethane	-0.08	ND	6.67
21)	Carbon Tetrachloride	0.02	69.88	6.67
23)	Benzene	0.00	ND	6.67
25)	1,2-Dichloroethane	0.01	114.00	6.67
26)	Trichloroethene	0.01	739.54	6.67
27)	1,2-Dichloropropane	-0.07	~~11.06~~ NO MS	6.67
28)	Bromodichloromethane		ND	6.67
29)	c-1,3-Dichloropropene	-0.42	ND	6.67
30)	4-Methyl-2-Pentanone	-0.48	ND	33.33
32)	Toluene	-0.01	~~12.53~~ ND RL	~~6.67~~ 16.68
34)	t-1,3-Dichloropropene	-0.21	ND	6.67
35)	1,1,2-Trichloroethane	-0.10	ND	6.67
36)	Tetrachloroethene	0.01	14.36	6.67
37)	2-Hexanone	-0.07	ND	99.99
38)	Dibromochloromethane		ND	6.67
39)	1,2-Dibromoethane	-0.14	ND	6.67
40)	Chlorobenzene		ND	6.67
41)	Ethylbenzene	0.03	ND	6.67
42)	p,&m-Xylene	-0.01	10.05	6.67
43)	o-Xylene	0.01	ND	6.67
44)	Styrene	0.00	ND	6.67
45)	Bromoform		ND	6.67

FEB 15'99 15:56 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	CQQQQ-001 OHM	**Data Analyzed:**	02/12/19 -1:6:
Misc. Info:	150ml 18708-831 B120190-5 TE	**Method:**	MSB0212
Data Name:	B1120.D	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.39	ND	6.67
48)	Benzyl Chloride	-0.07	ND	33.33
49)	4-Ethyl Toluene	-0.01	ND	6.67
50)	1,3,5-Trimethylbenzene	0.02	ND	6.67
51)	1,2,4-Trimethylbenzene	0.02	ND	6.67
52)	1,3-Dichlorobenzene	0.06	32.75	6.67
53)	1,4-Dichlorobenzene	0.05	ND	6.67
54)	1,2-Dichlorobenzene	-0.48	ND	6.67
55)	1,2,4-Trichlorobenzene	0.03	ND	66.66
56)	Hexachlorobutadiene		ND	13.33
	MTBE		ND	33.33

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	224384	OK	7.08	7.07	OK
1,4-Difluorobenzene	1237768	1032986	OK	8.72	8.72	OK
Chlorobenzene-d5	637158	543677	OK	14.03	14.02	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.00	106.0
Toluene-d8	50	48.61	97.2
4-Bromofluorobenzene	50	49.27	98.5

Comments:

Foot Notes:

1st Review: PNF 2/15/99 2nd Review:

FEB 15'99 15:56 FR 714 256 0921 TO OHM-IRVINE P.15

Quanterra Air Toxics Lab

Sample Name:	CQQQJ-001 OHM	**Data Analyzed:**	12 Feb 1999 14:43
Misc. Info:	500ml 18708-828 B120190-2 TEDL	**Method:**	MSB0212
Data Name:	B1117.D	**Shift Call.File:**	CC02121.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.01	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.01	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.00	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	0.01	0.0265	0.0237
13)	Methylene Chloride	-0.00	~~0.0099~~ KM MS	0.0069
14)	t-1,2-Dichloroethene	-0.28	ND	0.0079
15)	1,1-Dichloroethane	0.01	ND	0.0081
16)	Vinyl Acetate	0.23	ND	0.0351
17)	c-1,2-Dichloroethene	-0.17	ND	0.0079
18)	2-Butanone	0.01	ND	0.0294
19)	Chloroform	0.23	ND	0.0097
20)	1,1,1-Trichloroethane	0.04	ND	0.0109
21)	Carbon Tetrachloride	0.03	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane	0.18	ND	0.0081
26)	Trichloroethene	-0.02	ND	0.0107
27)	1,2-Dichloropropane	-0.07	~~0.0128~~ KM MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.38	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.25	ND	0.0409
32)	Toluene	-0.04	0.0252	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.10	ND	0.0109
36)	Tetrachloroethene	-0.04	ND	0.0135
37)	2-Hexanone	-0.08	ND	0.1226
38)	Dibromochloromethane	-0.01	ND	0.0170
39)	1,2-Dibromoethane	-0.21	ND	0.0153
40)	Chlorobenzene	0.01	ND	0.0092
41)	Ethylbenzene	0.00	0.0160	0.0087
42)	p,&m-Xylene TOTAL	0.02	0.0509	0.0087
43)	o-Xylene XYLENES	0.00 0.0668	0.0159	0.0087
44)	Styrene	0.01	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 15'99 15:53 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	CQQQJ-001 OHM	**Data Analyzed:**	02/12/19 -1:4:
Misc. Info:	500ml 18708-828 B120190-2 T	**Method:**	MSB0212
Data Name:	B1117.D	**Shift Cali.File:**	CC02121.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.24	ND	0.0137
48)	Benzyl Chloride	0.09	ND	0.0518
49)	4-Ethyl Toluene	0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.04	ND	0.0098
52)	1,3-Dichlorobenzene	0.05	0.1787	0.0120
53)	1,4-Dichlorobenzene	0.05	ND	0.0120
54)	1,2-Dichlorobenzene	-0.47	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.07	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.026

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	289350	OK	7.08	7.07	OK
1,4-Difluorobenzene	1237768	1238313	OK	8.72	8.71	OK
Chlorobenzene-d5	637158	730633	OK	14.03	14.00	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.82	103.6
Toluene-d8	50	52.71	105.4
4-Bromofluorobenzene	50	42.69	85.4

Comments:

Foot Notes:

1st Review: PW 2/15/99 2nd Review

FEB 15'99 15:53 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	CQQQL-001 OHM	**Data Analyzed:**	12 Feb 1999 15:18
Misc. Info:	500ml 18708-829 B120190-3 TEDL	**Method:**	MSB0212
Data Name:	b1118.d	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)		RL(ug/L)	
2)	Dichlorodifluoromethane (1	-0.12	ND		0.0099	
3)	Chloromethan	0.13	ND		0.0082	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND		0.0140	
5)	Vinyl Chloride		ND		0.0051	
6)	Bromomethan		ND		0.0078	
7)	Chloroethane		ND		0.0105	
8)	Trichlorofluoromethane (11)	-0.01	ND		0.0112	
9)	1,1-Dichloroethene	-0.03	0.0762		0.0079	
10)	Carbon Disulfide	-0.04	ND		0.0311	
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	0.2839		0.0153	
12)	Acetone	-0.01	0.0717		0.0237	
13)	Methylene Chloride	0.00	~~0.0278~~	ND MS	0.0069	
14)	t-1,2-Dichloroethene	-0.04	ND		0.0079	
15)	1,1-Dichloroethane	0.02	ND		0.0081	
16)	Vinyl Acetate	0.24	~~0.0336~~	ND RT	0.0351	
17)	c-1,2-Dichloroethene	0.02	ND		0.0079	
18)	2-Butanone	-0.00	ND		0.0294	
19)	Chloroform	0.02	2.9136	E	0.0097	
20)	1,1,1-Trichloroethane	-0.04	ND		0.0109	
21)	Carbon Tetrachloride	0.02	0.2754		0.0126	
23)	Benzene	0.01	0.0121	F	0.0064	
25)	1,2-Dichloroethane	0.02	0.2805		0.0081	
26)	Trichloroethene	0.00	0.8696		0.0107	
27)	1,2-Dichloropropane	-0.07	~~0.0222~~	ND MS	0.0092	
28)	Bromodichloromethane		ND		0.0134	
29)	c-1,3-Dichloropropene	-0.34	ND		0.0091	
30)	4-Methyl-2-Pentanone	-0.24	ND		0.0409	
32)	Toluene	-0.02	0.0251		~~0.0076~~	0.019
34)	t-1,3-Dichloropropene	-0.16	ND		0.0091	
35)	1,1,2-Trichloroethane	-0.01	ND		0.0109	
36)	Tetrachloroethene	-0.02	ND		0.0135	
37)	2-Hexanone	-0.01	ND		0.1226	
38)	Dibromochloromethane	-0.07	ND		0.0170	
39)	1,2-Dibromoethane	-0.23	ND		0.0153	
40)	Chlorobenzene	-0.03	ND		0.0092	
41)	Ethylbenzene	0.01	0.0132		0.0087	
42)	p,&m-Xylene PZTAC	0.02	0.0404		0.0087	
43)	o-Xylene XYLENES	0.01	0.0539 0.0135		0.0087	
44)	Styrene	0.02	ND		0.0085	
45)	Bromoform		ND		0.0206	

Sample Name:	CQQQL-001 OHM	**Data Analyzed:**	02/12/19 -1:5:
Misc. Info:	500ml 18708-829 B120190-3 T	**Method:**	MSB0212
Data Name:	b1118.d	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.16	ND	0.0137
48)	Benzyl Chloride	-0.07	ND	0.0518
49)	4-Ethyl Toluene	0.02	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.07	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.01	ND	0.0098
52)	1,3-Dichlorobenzene	0.14	0.1363	0.0120
53)	1,4-Dichlorobenzene	-0.09	~~0.1353~~ ND RT	0.0120
54)	1,2-Dichlorobenzene	-0.42	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.10	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	300927	OK	7.08	7.05	OK
1,4-Difluorobenzene	1237768	1243073	OK	8.72	8.69	OK
Chlorobenzene-d5	637158	782693	OK	14.03	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	60.86	121.7
Toluene-d8	50	53.69	107.4
4-Bromofluorobenzene	50	48.57	97.1

Comments:

Foot Notes: E, F

1st Review: PWS 2/15/99 2nd Review

FEB 15'99 15:54 FR 714 258 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	CQQQN-001 OHM	**Data Analyzed:**	12 Feb 1999 15:45
Misc. Info:	150ml 18708-830 B120190-4 TEDL	**Method:**	MSB0212
Data Name:	b1119.d	**Shift Cali.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.07	ND	0.0329
3)	Chloromethan	0.23	ND	0.0275
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0465
5)	Vinyl Chloride		ND	0.0170
6)	Bromomethan		ND	0.0258
7)	Chloroethane		ND	0.0351
8)	Trichlorofluoromethane (11)		ND	0.0374
9)	1,1-Dichloroethene	-0.02	0.0851	0.0264
10)	Carbon Disulfide	-0.03	ND	0.1036
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	0.3357	0.0510
12)	Acetone	-0.01	ND	0.0790
13)	Methylene Chloride	-0.00	0.0281	0.0231
14)	t-1,2-Dichloroethene	-0.37	ND	0.0264
15)	1,1-Dichloroethane	0.46	ND	0.0269
16)	Vinyl Acetate	0.23	ND	0.1171
17)	c-1,2-Dichloroethene	0.02	ND	0.0264
18)	2-Butanone	0.03	ND	0.0981
19)	Chloroform	0.00	2.9897	0.0325
20)	1,1,1-Trichloroethane	0.23	ND	0.0363
21)	Carbon Tetrachloride	0.01	0.2911	0.0418
23)	Benzene	-0.00	ND	0.0213
25)	1,2-Dichloroethane	0.02	0.2863	0.0269
26)	Trichloroethene	0.02	1.8378	0.0357
27)	1,2-Dichloropropane	-0.04	~~0.0468~~ ND MS	0.0307
28)	Bromodichloromethane		ND	0.0446
29)	c-1,3-Dichloropropene	-0.33	ND	0.0302
30)	4-Methyl-2-Pentanone	-0.48	ND	0.1363
32)	Toluene	0.00	~~0.0363~~ ND RL	~~0.0251~~ 0.067
34)	t-1,3-Dichloropropene	-0.26	ND	0.0302
35)	1,1,2-Trichloroethane	-0.19	ND	0.0363
36)	Tetrachloroethene	0.00	ND	0.0451
37)	2-Hexanone	-0.08	ND	0.4088
38)	Dibromochloromethane	-0.07	ND	0.0567
39)	1,2-Dibromoethane	-0.19	ND	0.0511
40)	Chlorobenzene		ND	0.0306
41)	Ethylbenzene	-0.00	ND	0.0289
42)	p,&m-Xylene	-0.02	0.0341	0.0289
43)	o-Xylene	-0.01	ND	0.0289
44)	Styrene	-0.04	ND	0.0283
45)	Bromoform		ND	0.0688

Sample Name:	CQQQN-001 OHM	**Data Analyzed:**	02/12/19 -1:5:
Misc. Info:	150ml 18708-830 B120190-4 T	**Method:**	MSB0212
Data Name:	b1119.d	**Shift Call.File:**	CC02121.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.13	ND	0.0457
48)	Benzyl Chloride	-0.29	ND	0.1725
49)	4-Ethyl Toluene	-0.04	ND	0.0327
50)	1,3,5-Trimethylbenzene	0.02	ND	0.0327
51)	1,2,4-Trimethylbenzene	0.03	ND	0.0327
52)	1,3-Dichlorobenzene	0.03	0.1368	0.0400
53)	1,4-Dichlorobenzene	0.03	ND	0.0400
54)	1,2-Dichlorobenzene		ND	0.0400
55)	1,2,4-Trichlorobenzene	-0.01	ND	0.4937
56)	Hexachlorobutadiene		ND	0.1419
	MTBE		ND	0.12

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	286123	OK	7.08	7.07	OK
1,4-Difluorobenzene	1237768	1326601	OK	8.72	8.71	OK
Chlorobenzene-d5	637158	690457	OK	14.03	14.03	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.33	106.7
Toluene-d8	50	50.22	100.4
4-Bromofluorobenzene	50	46.80	93.6

Comments:

Foot Notes:

1st Review: PKS 2/15/99 2nd Review

FEB 15'99 15:55 FR 714 258 0921 TO OHM-IRVINE P.13

Quanterra Air Toxics Lab

Sample Name:	CQQQQ-001 OHM	**Data Analyzed:**	12 Feb 1999 16:12
Misc. Info:	150ml 18708-831 B120190-5 TEDL	**Method:**	MSB0212
Data Name:	B1120.D	**Shift Cali.File:**	CC02121.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.01	ND	0.0329
3)	Chloromethan	-0.17	ND	0.0275
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.09	ND	0.0465
5)	Vinyl Chloride		ND	0.0170
6)	Bromomethan	0.06	ND	0.0258
7)	Chloroethane		ND	0.0351
8)	Trichlorofluoromethane (11)	0.01	ND	0.0374
9)	1,1-Dichloroethene	-0.02	0.1158	0.0264
10)	Carbon Disulfide	-0.02	ND	0.1036
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	0.4368	0.0510
12)	Acetone	0.42	~~1.8270~~ ND RT	0.0790
13)	Methylene Chloride	-0.00	0.0445	0.0231
14)	t-1,2-Dichloroethene	-0.28	ND	0.0264
15)	1,1-Dichloroethane	0.01	ND	0.0269
16)	Vinyl Acetate	-0.16	ND	0.1171
17)	c-1,2-Dichloroethene	0.01	ND	0.0264
18)	2-Butanone	-0.01	ND	0.0981
19)	Chloroform	0.01	4.3137	0.0325
20)	1,1,1-Trichloroethane	-0.08	ND	0.0363
21)	Carbon Tetrachloride	0.02	0.4387	0.0418
23)	Benzene	0.00	ND	0.0213
25)	1,2-Dichloroethane	0.01	0.4605	0.0269
26)	Trichloroethene	0.01	3.9662	0.0357
27)	1,2-Dichloropropane	-0.07	~~0.0310~~ ND MS	0.0307
28)	Bromodichloromethane		ND	0.0446
29)	c-1,3-Dichloropropene	-0.42	ND	0.0302
30)	4-Methyl-2-Pentanone	-0.48	ND	0.1363
32)	Toluene	-0.01	~~0.0471~~ ND RL	0.0251 0.063
34)	t-1,3-Dichloropropene	-0.21	ND	0.0302
35)	1,1,2-Trichloroethane	-0.10	ND	0.0363
36)	Tetrachloroethene	0.01	0.0972	0.0451
37)	2-Hexanone	-0.07	ND	0.4088
38)	Dibromochloromethane		ND	0.0567
39)	1,2-Dibromoethane	-0.14	ND	0.0511
40)	Chlorobenzene		ND	0.0306
41)	Ethylbenzene	0.03	ND	0.0289
42)	p,&m-Xylene	-0.01	0.0435	0.0289
43)	o-Xylene	0.01	ND	0.0289
44)	Styrene	0.00	ND	0.0283
45)	Bromoform		ND	0.0688

FEB 15'99 15:56 FR 714 258 0921 TO OHM-IRVINE P.16

Sample Name:	CQQQQ-001 OHM	**Data Analyzed:**	02/12/19 -1:6:
Misc. Info:	150ml 18708-831 B120190-5 T	**Method:**	MSB0212
Data Name:	B1120.D	**Shift Cali.File:**	CC02121.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	3.333

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.39	ND	0.0457
48)	Benzyl Chloride	-0.07	ND	0.1725
49)	4-Ethyl Toluene	-0.01	ND	0.0327
50)	1,3,5-Trimethylbenzene	0.02	ND	0.0327
51)	1,2,4-Trimethylbenzene	0.02	ND	0.0327
52)	1,3-Dichlorobenzene	0.06	0.1965	0.0400
53)	1,4-Dichlorobenzene	0.05	ND	0.0400
54)	1,2-Dichlorobenzene	-0.48	ND	0.0400
55)	1,2,4-Trichlorobenzene	0.03	ND	0.4937
56)	Hexachlorobutadiene		ND	0.1419
	MTBE		ND	0.12

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	270437	224384	OK	7.08	7.07	OK
1,4-Difluorobenzene	1237768	1032986	OK	8.72	8.72	OK
Chlorobenzene-d5	637158	543677	OK	14.03	14.02	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.00	106.0
Toluene-d8	50	48.61	97.2
4-Bromofluorobenzene	50	49.27	98.5

Comments:

Foot Notes:

1st Review: PNe 2/15/99 2nd Review

FEB 15'99 15:56 FR 714 258 0921 TO OHM-IRVINE P.17

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
222405
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Thizar Tinh il Williams	(949) 660-5300	(949) 475-5433	M9B110225	MARIA JONES	OHM Remediation

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
Soil Gas	MCAS EL TORO	18708	(714) 258-8610		Dwayne Ishida

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Thizar Tinh il Williams	(949) 660-5300	(949) 475-5433	Dinankerra	3347 Michelson Dr. # 200

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE, AND ZIPCODE
MCAS EL TORO	Santa Ana, CA	Lynn Hermecker. SWDIV.	City of Santa Ana, CA	Irvine, CA

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
BILL SEDLAK	(949) 661-5300	(949) 475-5433

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO-14	Hold-Conditional							Comments
1	18708-821	Vapor	2/11/99	0945	Ambient	2	III	24 hr.		X							Analyze only if 18708-824 is detected with TCE
2	18708.822	Vapor	2/11/99	0950	Ambient	1	III	24 hr.		X							Analyze only if 18708-824 is detected with TCE
3	18708.823	Vapor	2/11/99	1015	Ambient	3	III	24 hr.	X								
4	18708.824	Vapor	2/11/99	1105	Ambient	2	III	24 hr.	X								
5	18708.825	Vapor	2/11/99	1140	Ambient	2	III	24 hr.	X								
6	18708.826	Vapor	2/11/99	1355	Ambient	3	III	24 hr	X								
7																	
8																	
9																	
10																	

2/11/99

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	2/11/99	3:[illegible]	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1. 24SG63 Ambient 1 w/tubing 020899A	X		X	X
2. 24SG63 Ambient 2 w/out tubing	X		X	X
3. 24SG63 @ 49'	X		X	
4. 24SG63 Ambient 3 w/tubing 021199A	X		X	X
5. 24SG63 @ 75.5'	X		X	
6. 24SG63 @ 96'	X		X	

Comments

Sands were collected with a vacuum box.

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

M9B110225-001

Sample Name:	CQPME-001 OHM	**Data Analyzed:**	11 Feb 1999 19:18
Misc. Info:	500 ml 18708-821 B110225-1 TEDL	**Method:**	MSB0211
Data Name:	B1112.D	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.04	ND	2.00
3)	Chloromethane	-0.02	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene	-0.23	ND	2.00
10)	Carbon Disulfide	-0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	2.00
12)	Acetone	-0.01	14.69	10.00
13)	Methylene Chloride	0.00	ND	2.00
14)	t-1,2-Dichloroethene	-0.05	ND	2.00
15)	1,1-Dichloroethane	0.03	ND	2.00
16)	Vinyl Acetate	0.22	ND	10.00
17)	c-1,2-Dichloroethene	0.47	ND	2.00
18)	2-Butanone	-0.01	ND	10.00
19)	Chloroform	0.10	ND	2.00
20)	1,1,1-Trichloroethane	0.03	ND	2.00
21)	Carbon Tetrachloride	0.01	ND	2.00
23)	Benzene	0.01	ND	2.00
25)	1,2-Dichloroethane	0.15	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.08	~~2.10~~ ND RT, MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.37	ND	2.00
30)	4-Methyl-2-Pentanone	-0.49	ND	10.00
32)	Toluene	-0.00	24.71	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.45	ND	2.00
35)	1,1,2-Trichloroethane	-0.07	ND	2.00
36)	Tetrachloroethene	-0.03	ND	2.00
37)	2-Hexanone	0.03	ND	30.00
38)	Dibromochloromethane	-0.07	ND	2.00
39)	1,2-Dibromoethane	-0.16	ND	2.00
40)	Chlorobenzene	0.02	ND	2.00
41)	Ethylbenzene	0.00	4.93	2.00
42)	p,&m-Xylene TOTAL	0.01	15.97	2.00
43)	o-Xylene XYLENES	-0.02	20.78 4.81	2.00
44)	Styrene	-0.02	ND	2.00
45)	Bromoform		ND	2.00

FEB 12'99 17:21 FR 714 258 0921 TO OHM-IRVINE P.02

M9B110225-001

Sample Name:	CQPME-001 OHM	**Data Analyzed:**	02/11/19 -1:9:
Misc. Info:	500 ml 18708-821 B110225-1 T	**Method:**	MSB0211
Data Name:	B1112.D	**Shift Cali.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.17	ND	2.00
48)	Benzyl Chloride	0.03	ND	10.00
49)	4-Ethyl Toluene	-0.04	ND	2.00
50)	1,3,5-Trimethylbenzene	-0.00	ND	2.00
51)	1,2,4-Trimethylbenzene	0.08	ND	2.00
52)	1,3-Dichlorobenzene	0.08	32.02	2.00
53)	1,4-Dichlorobenzene	0.05	ND	2.00
54)	1,2-Dichlorobenzene	-0.48	~~2.01~~ ND RT	2.00
55)	1,2,4-Trichlorobenzene	0.03	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	299084	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1331067	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	816630	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.29	102.6
Toluene-d8	50	53.35	106.7
4-Bromofluorobenzene	50	42.68	85.4

Comments:

Foot Notes:

1st Review: PN 2/12/99 2nd Review:

Quanterra Air Toxics Lab

M9B110225-002

Sample Name:	CQPMF-001 OHM	**Data Analyzed:**	11 Feb 1999 19:44
Misc. Info:	500 ml 18708-822 B110225-2 TEDL	**Method:**	MSB0211
Data Name:	B1113.D	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.06	ND	2.00
3)	Chloromethane	-0.04	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane	0.48	ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.03	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	-0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	ND	2.00
12)	Acetone	-0.01	ND	10.00
13)	Methylene Chloride	-0.01	ND	2.00
14)	t-1,2-Dichloroethene	0.45	ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	0.00	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	-0.05	ND	10.00
19)	Chloroform		ND	2.00
20)	1,1,1-Trichloroethane	0.03	ND	2.00
21)	Carbon Tetrachloride	-0.04	ND	2.00
23)	Benzene	0.02	ND	2.00
25)	1,2-Dichloroethane		ND	2.00
26)	Trichloroethene	0.00	ND	2.00
27)	1,2-Dichloropropane		ND	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.44	ND	2.00
30)	4-Methyl-2-Pentanone	-0.01	ND	10.00
32)	Toluene	0.02	ND	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane		ND	2.00
36)	Tetrachloroethene	-0.00	ND	2.00
37)	2-Hexanone	0.14	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane		ND	2.00
40)	Chlorobenzene	-0.03	ND	2.00
41)	Ethylbenzene	-0.01	ND	2.00
42)	p,&m-Xylene	-0.01	ND	2.00
43)	o-Xylene	-0.01	ND	2.00
44)	Styrene	0.01	ND	2.00
45)	Bromoform		ND	2.00

FEB 12'99 17:22 FR 714 258 0921 TO OHM-IRVINE P.06

M9B110225-002

Sample Name:	CQPMF-001 OHM	Data Analyzed:	02/11/19 -1:9:
Misc. Info:	500 ml 18708-822 B110225-2 T	Method:	MSB0211
Data Name:	B1113.D	Shift Call.File:	CC02111.D
Data Path:	d:\gcmsb\990208\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.18	ND	2.00
48)	Benzyl Chloride	-0.13	ND	10.00
49)	4-Ethyl Toluene	-0.01	ND	2.00
50)	1,3,5-Trimethylbenzene	0.00	ND	2.00
51)	1,2,4-Trimethylbenzene	0.01	ND	2.00
52)	1,3-Dichlorobenzene	0.04	ND	2.00
53)	1,4-Dichlorobenzene	-0.18	ND	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene	0.03	ND	20.00
56)	Hexachlorobutadiene		ND	4.00

MTBE ND 10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	316105	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1358836	OK	8.69	8.69	OK
Chlorobenzene-d5	663126	755973	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.04	102.1
Toluene-d8	50	52.95	105.9
4-Bromofluorobenzene	50	46.86	93.7

Comments:

Foot Notes:

1st Review: PM 2/12/99 2nd Review:

FEB 12'99 17:20 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

M9B11 0225-003

Sample Name:	CQPMG-001 OHM (-3)	**Data Analyzed:**	11 Feb 1999 17:53
Misc. Info:	500 ml 18708-823 TEDLAR	**Method:**	MSB0211
Data Name:	B1109.D	**Shift Call.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.02	ND	2.00
3)	Chloromethane	-0.04	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride	-0.01	ND	2.00
6)	Bromomethane	0.30	ND	2.00
7)	Chloroethane	-0.02	ND	4.00
8)	Trichlorofluoromethane (11)	-0.03	ND	2.00
9)	1,1-Dichloroethene	-0.01	4.54	2.00
10)	Carbon Disulfide	-0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	ND	2.00
12)	Acetone	-0.01	71.52	10.00
13)	Methylene Chloride	-0.01	ND	2.00
14)	t-1,2-Dichloroethene	-0.26	ND	2.00
15)	1,1-Dichloroethane	0.00	ND	2.00
16)	Vinyl Acetate	0.20	~~21.50~~ ND RT	10.00
17)	c-1,2-Dichloroethene	0.01	ND	2.00
18)	2-Butanone	0.02	ND	10.00
19)	Chloroform	0.01	ND	2.00
20)	1,1,1-Trichloroethane	0.01	ND	2.00
21)	Carbon Tetrachloride	-0.00	ND	2.00
23)	Benzene	0.00	6.57 F	2.00
25)	1,2-Dichloroethane	0.00	82.58	2.00
26)	Trichloroethene	-0.01	5.58	2.00
27)	1,2-Dichloropropane	-0.08	~~5.47~~ ND MS, RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.35	~~2.84~~ ND RT	2.00
30)	4-Methyl-2-Pentanone	-0.27	ND	10.00
32)	Toluene	-0.02	23.93	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.22	ND	2.00
35)	1,1,2-Trichloroethane	0.01	2.93	2.00
36)	Tetrachloroethene	-0.03	ND	2.00
37)	2-Hexanone	0.06	ND	30.00
38)	Dibromochloromethane	-0.06	ND	2.00
39)	1,2-Dibromoethane	-0.13	ND	2.00
40)	Chlorobenzene	0.02	ND	2.00
41)	Ethylbenzene	-0.01	5.04	2.00
42)	p,&m-Xylene TOTAL	0.00	15.38	2.00
43)	o-Xylene XYLENES	-0.01	20.33 4.95	2.00
44)	Styrene	0.00	ND	2.00
45)	Bromoform		ND	2.00

MQB110225-003

Sample Name:	CQPMG-001 OHM	**Data Analyzed:**	02/11/19 -1:7:
Misc. Info:	500 ml 18708-823 TEDLAR	**Method:**	MSB0211
Data Name:	B1109.D	**Shift Cali.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.10	ND	2.00
48)	Benzyl Chloride	0.02	ND	10.00
49)	4-Ethyl Toluene	-0.03	ND	2.00
50)	1,3,5-Trimethylbenzene	0.02	ND	2.00
51)	1,2,4-Trimethylbenzene	0.04	ND	2.00
52)	1,3-Dichlorobenzene	0.04	33.25	2.00
53)	1,4-Dichlorobenzene	0.03	2.04	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene	0.04	ND	20.00
56)	Hexachlorobutadiene		ND	4.00

MTBE NO 10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	266027	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1207102	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	744726	OK	14.01	13.98	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	58.02	116.0
Toluene-d8	50	52.82	105.6
4-Bromofluorobenzene	50	42.33	84.7

Comments:

Foot Notes: F

1st Review: PN 2/12/99 2nd Review:

FEB 12'99 17:24 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

M9B110225-004

Sample Name:	CQPMH-001 OHM	**Data Analyzed:**	11 Feb 1999 18:22
Misc. Info:	500 ml 18708-824 (-4) TEDLAR	**Method:**	MSB0211
Data Name:	B1110.D	**Shift Cali.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	2.00
3)	Chloromethane	-0.01	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.02	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	-0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	2.00
12)	Acetone	-0.01	26.79	10.00
13)	Methylene Chloride	-0.01	ND	2.00
14)	t-1,2-Dichloroethene	-0.11	ND	2.00
15)	1,1-Dichloroethane	-0.02	ND	2.00
16)	Vinyl Acetate	0.22	~~26.42~~ ND RT	10.00
17)	c-1,2-Dichloroethene	-0.05	ND	2.00
18)	2-Butanone	0.02	ND	10.00
19)	Chloroform	0.18	~~2.26~~ ND RT	2.00
20)	1,1,1-Trichloroethane	0.02	ND	2.00
21)	Carbon Tetrachloride	-0.03	ND	2.00
23)	Benzene	0.01	ND	2.00
25)	1,2-Dichloroethane	0.00	7.74	2.00
26)	Trichloroethene	-0.01	2.34	2.00
27)	1,2-Dichloropropane	-0.07	~~7.88~~ ND MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.37	ND	2.00
30)	4-Methyl-2-Pentanone	-0.27	~~17.81~~ ND RT	10.00
32)	Toluene	-0.02	14.14	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.09	ND	2.00
35)	1,1,2-Trichloroethane	-0.01	2.69	2.00
36)	Tetrachloroethene	0.01	ND	2.00
37)	2-Hexanone	-0.07	ND	30.00
38)	Dibromochloromethane	-0.12	ND	2.00
39)	1,2-Dibromoethane	-0.05	ND	2.00
40)	Chlorobenzene	-0.01	ND	2.00
41)	Ethylbenzene	-0.01	3.19	2.00
42)	p,&m-Xylene TOTAL	-0.01	9.75	2.00
43)	o-Xylene XYLENES	0.01	13.12 3.37	2.00
44)	Styrene	0.00	ND	2.00
45)	Bromoform		ND	2.00

M9B110225-604

Sample Name:	CQPMH-001 OHM	**Data Analyzed:**	02/11/19 -1:8:
Misc. Info:	500 ml 18708-824 (-4) TEDLAR	**Method:**	MSB0211
Data Name:	B1110.D	**Shift Cali.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.04	ND	2.00
48)	Benzyl Chloride	-0.06	ND	10.00
49)	4-Ethyl Toluene	-0.03	ND	2.00
50)	1,3,5-Trimethylbenzene	-0.02	ND	2.00
51)	1,2,4-Trimethylbenzene	0.01	ND	2.00
52)	1,3-Dichlorobenzene	0.01	27.31	2.00
53)	1,4-Dichlorobenzene	0.01	ND	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene	0.07	ND	20.00
56)	Hexachlorobutadiene		ND	4.00

MTBE NO 10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	306011	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1351075	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	822930	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	57.44	114.9
Toluene-d8	50	54.44	108.9
4-Bromofluorobenzene	50	42.03	84.1

Comments:

Foot Notes:

1st Review: PN 2/12/99 2nd Review:

FEB 12'99 17:25 FR 714 258 0921 TO OHM-IRVINE P.15

Quanterra Air Toxics Lab

M9B110225-005

Sample Name:	CQPMJ-001 OHM	Data Analyzed:	11 Feb 1999 17:27
Misc. Info:	500 ml 18708-825 (-5) TEDLAR	Method:	MSB0211
Data Name:	B1108.D	Shift Call.File:	CC02111.D
Data Path:	D:\GCMSB\990208\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.02	ND	2.00
3)	Chloromethane	-0.00	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride	0.43	ND	2.00
6)	Bromomethane	0.02	ND	2.00
7)	Chloroethane	-0.23	ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene	-0.21	ND	2.00
10)	Carbon Disulfide	0.00	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	2.00
12)	Acetone	-0.01	22.90	10.00
13)	Methylene Chloride	-0.01	ND	2.00
14)	t-1,2-Dichloroethene	-0.28	ND	2.00
15)	1,1-Dichloroethane	0.45	ND	2.00
16)	Vinyl Acetate	0.21	~~16.98~~ ND RT	10.00
17)	c-1,2-Dichloroethene	-0.11	ND	2.00
18)	2-Butanone	0.01	ND	10.00
19)	Chloroform	0.12	ND	2.00
20)	1,1,1-Trichloroethane	-0.00	ND	2.00
21)	Carbon Tetrachloride	0.01	ND	2.00
23)	Benzene	0.01	ND	2.00
25)	1,2-Dichloroethane	-0.01	ND	2.00
26)	Trichloroethene	-0.00	ND	2.00
27)	1,2-Dichloropropane	-0.08	~~4.92~~ ND MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.43	ND	2.00
30)	4-Methyl-2-Pentanone	-0.26	ND	10.00
32)	Toluene	-0.02	6.10	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.05	ND	2.00
35)	1,1,2-Trichloroethane	0.02	ND	2.00
36)	Tetrachloroethene	-0.01	ND	2.00
37)	2-Hexanone	0.01	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	-0.15	ND	2.00
40)	Chlorobenzene	-0.02	ND	2.00
41)	Ethylbenzene	-0.02	ND	2.00
42)	p,&m-Xylene	-0.01	2.67	2.00
43)	o-Xylene	-0.03	ND	2.00
44)	Styrene	0.00	ND	2.00
45)	Bromoform		ND	2.00

M9B110225-005

Sample Name:	CQPMJ-001 OHM	**Data Analyzed:**	02/11/19 -1:7:
Misc. Info:	500 ml 18708-825 (-5) TEDLAR	**Method:**	MSB0211
Data Name:	B1108.D	**Shift Cali.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.03	ND	2.00
48)	Benzyl Chloride	-0.05	ND	10.00
49)	4-Ethyl Toluene	0.00	ND	2.00
50)	1,3,5-Trimethylbenzene	0.01	ND	2.00
51)	1,2,4-Trimethylbenzene	0.12	ND	2.00
52)	1,3-Dichlorobenzene	0.09	5.07	2.00
53)	1,4-Dichlorobenzene	-0.13	~~5.12~~ ND RT	2.00
54)	1,2-Dichlorobenzene	-0.47	ND	2.00
55)	1,2,4-Trichlorobenzene	0.04	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	278410	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1225648	OK	8.69	8.69	OK
Chlorobenzene-d5	663126	699329	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.46	104.9
Toluene-d8	50	54.43	108.9
4-Bromofluorobenzene	50	47.45	94.9

Comments:

Foot Notes:

1st Review: PN 2/12/99 2nd Review:

FEB 12'99 17:26 FR 714 258 0921 TO OHM-IRVINE P.19

Quanterra Air Toxics Lab

M9B110225-006

Sample Name:	CQPMK-001 OHM	**Data Analyzed:**	11 Feb 1999 18:49
Misc. Info:	500 ml 18708-826 (-6) TEDLAR	**Method:**	MSB0211
Data Name:	B1111.D	**Shift Cali.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

Compound	dRT	Result(ppbv)	RL(ppbv)
2) Dichlorodifluoromethane (12)	-0.03	ND	2.00
3) Chloromethane	-0.06	ND	4.00
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5) Vinyl Chloride	-0.31	ND	2.00
6) Bromomethane		ND	2.00
7) Chloroethane		ND	4.00
8) Trichlorofluoromethane (11)		ND	2.00
9) 1,1-Dichloroethene	-0.01	ND	2.00
10) Carbon Disulfide	-0.01	ND	10.00
11) 1,1,2-Cl 1,2,2-F ethane (113)	-0.01	91.19	2.00
12) Acetone	-0.01	60.74	10.00
13) Methylene Chloride	-0.01	~~4.13~~ ND MS	2.00
14) t-1,2-Dichloroethene	0.09	ND	2.00
15) 1,1-Dichloroethane	0.22	ND	2.00
16) Vinyl Acetate	0.22	~~140.76~~ ND RT	10.00
17) c-1,2-Dichloroethene	-0.02	ND	2.00
18) 2-Butanone	0.37	~~216.84~~ ND RT	10.00
19) Chloroform	0.19	~~12.82~~ ↓	2.00
20) 1,1,1-Trichloroethane	-0.03	ND	2.00
21) Carbon Tetrachloride	0.02	ND	2.00
23) Benzene	0.04	3.13 F	2.00
25) 1,2-Dichloroethane	-0.11	~~7.08~~ ND RT	2.00
26) Trichloroethene	-0.00	ND	2.00
27) 1,2-Dichloropropane	-0.08	~~12.82~~ ND MS	2.00
28) Bromodichloromethane		ND	2.00
29) c-1,3-Dichloropropene	-0.36	ND	2.00
30) 4-Methyl-2-Pentanone	-0.51	~~27.12~~ ND RT	10.00
32) Toluene	-0.01	9.07	~~2.00~~ 5.00
34) t-1,3-Dichloropropene	-0.33	ND	2.00
35) 1,1,2-Trichloroethane	-0.02	ND	2.00
36) Tetrachloroethene	-0.04	ND	2.00
37) 2-Hexanone	-0.10	ND	30.00
38) Dibromochloromethane	-0.09	ND	2.00
39) 1,2-Dibromoethane	-0.20	ND	2.00
40) Chlorobenzene	0.00	ND	2.00
41) Ethylbenzene	-0.02	ND	2.00
42) p,&m-Xylene	-0.04	3.09	2.00
43) o-Xylene	-0.03	ND	2.00
44) Styrene	-0.02	ND	2.00
45) Bromoform		ND	2.00

FEB 12'99 17:27 FR 714 258 0921 TO OHM-IRVINE P.24

M9B110225-006

Sample Name:	CQPMK-001 OHM	**Data Analyzed:**	02/11/19 -1:8:
Misc. Info:	500 ml 18708-826 (-6) TEDLAR	**Method:**	MSB0211
Data Name:	B1111.D	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.01	ND	2.00
48)	Benzyl Chloride	-0.08	ND	10.00
49)	4-Ethyl Toluene	-0.01	ND	2.00
50)	1,3,5-Trimethylbenzene	-0.01	ND	2.00
51)	1,2,4-Trimethylbenzene	0.03	ND	2.00
52)	1,3-Dichlorobenzene	0.03	6.12	2.00
53)	1,4-Dichlorobenzene	-0.19	~~6.04~~ RPD RT	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene	0.02	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		23	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	306257	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1364282	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	757478	OK	14.01	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	68.54	137.1
Toluene-d8	50	54.07	108.1
4-Bromofluorobenzene	50	47.00	94.0

Comments:

Foot Notes: F

1st Review: PN 2/12/99 2nd Review:

FEB 12'99 17:27 FR 714 258 0921 TO OHM-IRVINE P.25

Quanterra Air Toxics Lab

M9B110225-001

Sample Name:	CQPME-001 OHM	**Data Analyzed:**	11 Feb 1999 19:18
Misc. Info:	500 ml 18708-821 B110225-1 TED	**Method:**	MSB0211
Data Name:	b1112.d	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.04	ND	0.0099
3)	Chloromethan	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.23	ND	0.0079
10)	Carbon Disulfide	-0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	-0.01	0.0348	0.0237
13)	Methylene Chloride	0.00	ND	0.0069
14)	t-1,2-Dichloroethene	-0.05	ND	0.0079
15)	1,1-Dichloroethane	0.03	ND	0.0081
16)	Vinyl Acetate	0.22	ND	0.0351
17)	c-1,2-Dichloroethene	0.47	ND	0.0079
18)	2-Butanone	-0.01	ND	0.0294
19)	Chloroform	0.10	ND	0.0097
20)	1,1,1-Trichloroethane	0.03	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane	0.15	ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane	-0.08	~~0.0143~~ NO RT, MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.37	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.49	ND	0.0409
32)	Toluene	-0.00	0.0929	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.45	ND	0.0091
35)	1,1,2-Trichloroethane	-0.07	ND	0.0109
36)	Tetrachloroethene	-0.03	ND	0.0135
37)	2-Hexanone	0.03	ND	0.1226
38)	Dibromochloromethane	-0.07	ND	0.0170
39)	1,2-Dibromoethane	-0.16	ND	0.0153
40)	Chlorobenzene	0.02	ND	0.0092
41)	Ethylbenzene	0.00	0.0214	0.0087
42)	p,&m-Xylene TOTAL	0.01	0.0692	0.0087
43)	o-Xylene XYLENES	-0.02 0.0960	0.0208	0.0087
44)	Styrene	-0.02	ND	0.0085
45)	Bromoform		ND	0.0206

M9B110225-001

Sample Name:	CQPME-001 OHM	**Data Analyzed:**	02/11/19 -1:9:
Misc. Info:	500 ml 18708-821 B110225-1	**Method:**	MSB0211
Data Name:	b1112.d	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.17	ND	0.0137
48)	Benzyl Chloride	0.03	ND	0.0518
49)	4-Ethyl Toluene	-0.04	ND	0.0098
50)	1,3,5-Trimethylbenzene	-0.00	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.08	ND	0.0098
52)	1,3-Dichlorobenzene	0.08	0.1921	0.0120
53)	1,4-Dichlorobenzene	0.05	ND	0.0120
54)	1,2-Dichlorobenzene	-0.48	~~0.0121~~ ND RT	0.0120
55)	1,2,4-Trichlorobenzene	0.03	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.03 C

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	299084	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1331067	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	816630	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.29	102.6
Toluene-d8	50	53.35	106.7
4-Bromofluorobenzene	50	42.68	85.4

Comments:

Foot Notes:

1st Review: PM 2/12/99 2nd Review

Quanterra Air Toxics Lab

M9B110225-002

Sample Name:	CQPMF-001 OHM	**Data Analyzed:**	11 Feb 1999 19:44
Misc. Info:	500 ml 18708-822 B110225-2 TED	**Method:**	MSB0211
Data Name:	B1113.D	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.06	ND	0.0099
3)	Chloromethan	-0.04	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.48	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.03	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	ND	0.0153
12)	Acetone	-0.01	ND	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene	0.45	ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.00	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	-0.05	ND	0.0294
19)	Chloroform		ND	0.0097
20)	1,1,1-Trichloroethane	0.03	ND	0.0109
21)	Carbon Tetrachloride	-0.04	ND	0.0126
23)	Benzene	0.02	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	0.00	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.44	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.01	ND	0.0409
32)	Toluene	0.02	ND	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane		ND	0.0109
36)	Tetrachloroethene	-0.00	ND	0.0135
37)	2-Hexanone	0.14	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene	-0.03	ND	0.0092
41)	Ethylbenzene	-0.01	ND	0.0087
42)	p,&m-Xylene	-0.01	ND	0.0087
43)	o-Xylene	-0.01	ND	0.0087
44)	Styrene	0.01	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 12'99 17:23 FR 714 258 0921 TO OHM-IRVINE P.08

M9B110225-002

Sample Name:	CQPMF-001 OHM	**Data Analyzed:**	02/11/19 -1:9:
Misc. Info:	500 ml 18708-822 B110225-2	**Method:**	MSB0211
Data Name:	B1113.D	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.18	ND	0.0137
48)	Benzyl Chloride	-0.13	ND	0.0518
49)	4-Ethyl Toluene	-0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.00	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.01	ND	0.0098
52)	1,3-Dichlorobenzene	0.04	ND	0.0120
53)	1,4-Dichlorobenzene	-0.18	ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene	0.03	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	316105	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1358836	OK	8.69	8.69	OK
Chlorobenzene-d5	663126	755973	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.04	102.1
Toluene-d8	50	52.95	105.9
4-Bromofluorobenzene	50	46.86	93.7

Comments:

Foot Notes:

1st Review: PNS 2/12/99 2nd Review

Quanterra Air Toxics Lab

M9B110225-003

Sample Name:	CQPMG-001 OHM	**Data Analyzed:**	11 Feb 1999 17:53
Misc. Info:	500 ml 18708-823 TEDLAR	**Method:**	MSB0211
Data Name:	B1109.D	**Shift Call.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.02	ND	0.0099
3)	Chloromethan	-0.04	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride	-0.01	ND	0.0051
6)	Bromomethan	0.30	ND	0.0078
7)	Chloroethane	-0.02	ND	0.0105
8)	Trichlorofluoromethane (11)	-0.03	ND	0.0112
9)	1,1-Dichloroethene	-0.01	0.0180	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	ND	0.0153
12)	Acetone	-0.01	0.1696	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene	-0.26	ND	0.0079
15)	1,1-Dichloroethane	0.00	ND	0.0081
16)	Vinyl Acetate	0.20	~~0.0759~~ ND RT	0.0351
17)	c-1,2-Dichloroethene	0.01	ND	0.0079
18)	2-Butanone	0.02	ND	0.0294
19)	Chloroform	0.01	ND	0.0097
20)	1,1,1-Trichloroethane	0.01	ND	0.0109
21)	Carbon Tetrachloride	-0.00	ND	0.0126
23)	Benzene	0.00	0.0210 F	0.0064
25)	1,2-Dichloroethane	0.00	0.3335	0.0081
26)	Trichloroethene	-0.01	0.0299	0.0107
27)	1,2-Dichloropropane	-0.08	~~0.0232~~ ND MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.35	~~0.0127~~ ND RT	0.0091
30)	4-Methyl-2-Pentanone	-0.27	ND	0.0409
32)	Toluene	-0.02	0.0900	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.22	ND	0.0091
35)	1,1,2-Trichloroethane	0.01	0.0160	0.0109
36)	Tetrachloroethene	-0.03	ND	0.0135
37)	2-Hexanone	0.06	ND	0.1226
38)	Dibromochloromethane	-0.06	ND	0.0170
39)	1,2-Dibromoethane	-0.13	ND	0.0153
40)	Chlorobenzene	0.02	ND	0.0092
41)	Ethylbenzene	-0.01	0.0219	0.0087
42)	p,&m-Xylene TOTAL	0.00	0.0666	0.0087
43)	o-Xylene XYLENES -0.01 0.0880		0.0214	0.0087
44)	Styrene	0.00	ND	0.0085
45)	Bromoform		ND	0.0206

M9B110225-003

Sample Name:	CQPMG-001 OHM	**Data Analyzed:**	02/11/19 -1:7:
Misc. Info:	500 ml 18708-823 TEDLAR	**Method:**	MSB0211
Data Name:	B1109.D	**Shift Call.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.10	ND	0.0137
48)	Benzyl Chloride	0.02	ND	0.0518
49)	4-Ethyl Toluene	-0.03	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.02	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.04	ND	0.0098
52)	1,3-Dichlorobenzene	0.04	0.1995	0.0120
53)	1,4-Dichlorobenzene	0.03	0.0123	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene	0.04	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	266027	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1207102	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	744726	OK	14.01	13.98	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	58.02	116.0
Toluene-d8	50	52.82	105.6
4-Bromofluorobenzene	50	42.33	84.7

Comments:

Foot Notes: F

1st Review: PN 2/12/99 2nd Review

FEB 12'99 17:24 FR 714 258 0921 TO OHM-IRVINE P.13

Quanterra Air Toxics Lab

M9B110225-004

Sample Name:	CQPMH-001 OHM	**Data Analyzed:**	11 Feb 1999 18:22
Misc. Info:	500 ml 18708-824 (-4) TEDLAR	**Method:**	MSB0211
Data Name:	B1110.D	**Shift Cali.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.01	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.02	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	-0.01	0.0635	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene	-0.11	ND	0.0079
15)	1,1-Dichloroethane	-0.02	ND	0.0081
16)	Vinyl Acetate	0.22	~~0.0928~~ ND RT	0.0351
17)	c-1,2-Dichloroethene	-0.05	ND	0.0079
18)	2-Butanone	0.02	ND	0.0294
19)	Chloroform	0.18	~~0.0140~~ ND RT	0.0097
20)	1,1,1-Trichloroethane	0.02	ND	0.0109
21)	Carbon Tetrachloride	-0.03	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane	0.00	0.0313	0.0081
26)	Trichloroethene	-0.01	0.0126	0.0107
27)	1,2-Dichloropropane	-0.07	~~0.0364~~ ND MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.37	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.27	~~0.0728~~ ND RT	0.0409
32)	Toluene	-0.02	0.0532	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.09	ND	0.0091
35)	1,1,2-Trichloroethane	-0.01	0.0147	0.0109
36)	Tetrachloroethene	0.01	ND	0.0135
37)	2-Hexanone	-0.07	ND	0.1226
38)	Dibromochloromethane	-0.12	ND	0.0170
39)	1,2-Dibromoethane	-0.05	ND	0.0153
40)	Chlorobenzene	-0.01	ND	0.0092
41)	Ethylbenzene	-0.01	0.0138	0.0087
42)	p,&m-Xylene TOTAL	-0.01	0.0422	0.0087
43)	o-Xylene XYLENES	0.01 0.0568	0.0146	0.0087
44)	Styrene	0.00	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 12'99 17:25 FR 714 258 0921 TO OHM-IRVINE P.16

M9B110225-004

Sample Name:	CQPMH-001 OHM	**Data Analyzed:**	02/11/19 -1:8:
Misc. Info:	500 ml 18708-824 (-4) TEDLA	**Method:**	MSB0211
Data Name:	B1110.D	**Shift Cali.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.04	ND	0.0137
48)	Benzyl Chloride	-0.06	ND	0.0518
49)	4-Ethyl Toluene	-0.03	ND	0.0098
50)	1,3,5-Trimethylbenzene	-0.02	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.01	ND	0.0098
52)	1,3-Dichlorobenzene	0.01	0.1639	0.0120
53)	1,4-Dichlorobenzene	0.01	ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene	0.07	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	306011	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1351075	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	822930	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	57.44	114.9
Toluene-d8	50	54.44	108.9
4-Bromofluorobenzene	50	42.03	84.1

Comments:

Foot Notes:

1st Review: PM 2/12/99 2nd Review

Quanterra Air Toxics Lab

M9B110225-005

Sample Name:	CQPMJ-001 OHM	**Data Analyzed:**	11 Feb 1999 17:27
Misc. Info:	500 ml 18708-825 (-5) TEDLAR	**Method:**	MSB0211
Data Name:	B1108.D	**Shift Call.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.02	ND	0.0099
3)	Chloromethan	-0.00	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride	0.43	ND	0.0051
6)	Bromomethan	0.02	ND	0.0078
7)	Chloroethane	-0.23	ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.21	ND	0.0079
10)	Carbon Disulfide	0.00	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	0.0153
12)	Acetone	-0.01	0.0543	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene	-0.28	ND	0.0079
15)	1,1-Dichloroethane	0.45	ND	0.0081
16)	Vinyl Acetate	0.21	~~0.0507~~ ND RT	0.0351
17)	c-1,2-Dichloroethene	-0.11	ND	0.0079
18)	2-Butanone	0.01	ND	0.0294
19)	Chloroform	0.12	ND	0.0097
20)	1,1,1-Trichloroethane	-0.00	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane	-0.01	ND	0.0081
26)	Trichloroethene	-0.00	ND	0.0107
27)	1,2-Dichloropropane	-0.08	~~0.0227~~ ND MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.43	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.26	ND	0.0409
32)	Toluene	-0.02	0.0230	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.05	ND	0.0091
35)	1,1,2-Trichloroethane	0.02	ND	0.0109
36)	Tetrachloroethene	-0.01	ND	0.0135
37)	2-Hexanone	0.01	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	-0.15	ND	0.0153
40)	Chlorobenzene	-0.02	ND	0.0092
41)	Ethylbenzene	-0.02	ND	0.0087
42)	p,&m-Xylene	-0.01	0.0116	0.0087
43)	o-Xylene	-0.03	ND	0.0087
44)	Styrene	0.00	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 12'99 17:26 FR 714 258 0921 TO OHM-IRVINE P.20

M9B110225-005

Sample Name:	CQPMJ-001 OHM	**Data Analyzed:**	02/11/19 -1:7:
Misc. Info:	500 ml 18708-825 (-5) TEDLA	**Method:**	MSB0211
Data Name:	B1108.D	**Shift Call.File:**	CC02111.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.03	ND	0.0137
48)	Benzyl Chloride	-0.05	ND	0.0518
49)	4-Ethyl Toluene	0.00	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.01	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.12	ND	0.0098
52)	1,3-Dichlorobenzene	0.09	0.0304	0.0120
53)	1,4-Dichlorobenzene	-0.13	~~0.0307~~ ND RT	0.0120
54)	1,2-Dichlorobenzene	-0.47	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.04	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	278410	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1225648	OK	8.69	8.69	OK
Chlorobenzene-d5	663126	699329	OK	14.01	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.46	104.9
Toluene-d8	50	54.43	108.9
4-Bromofluorobenzene	50	47.45	94.9

Comments:

Foot Notes:

1st Review: PM 2/12/99 2nd Review

FEB 12'99 17:26 FR 714 258 0921 TO OHM-IRVINE P.21

Quanterra Air Toxics Lab

M9B110225-006

Sample Name:	CQPMK-001 OHM	**Data Analyzed:**	11 Feb 1999 18:49
Misc. Info:	500 ml 18708-826 (-6) TEDLAR	**Method:**	MSB0211
Data Name:	B1111.D	**Shift Call.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)			RL(ug/L)	
2)	Dichlorodifluoromethane (1	-0.03	ND			0.0099	
3)	Chloromethan	-0.06	ND			0.0082	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND			0.0140	
5)	Vinyl Chloride	-0.31	ND			0.0051	
6)	Bromomethan		ND			0.0078	
7)	Chloroethane		ND			0.0105	
8)	Trichlorofluoromethane (11)		ND			0.0112	
9)	1,1-Dichloroethene	-0.01	ND			0.0079	
10)	Carbon Disulfide	-0.01	ND			0.0311	
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	0.6974			0.0153	
12)	Acetone	-0.01	0.1440			0.0237	
13)	Methylene Chloride	-0.01	~~0.0143~~	ND	MS	0.0069	
14)	t-1,2-Dichloroethene	0.09	ND			0.0079	
15)	1,1-Dichloroethane	0.22	ND			0.0081	
16)	Vinyl Acetate	0.22	~~0.5263~~	ND	RT	0.0351	
17)	c-1,2-Dichloroethene	-0.02	ND			0.0079	
18)	2-Butanone	0.37	~~0.6382~~	ND	RT	0.0294	
19)	Chloroform	0.19	~~0.0025~~	↓		0.0097	
20)	1,1,1-Trichloroethane	-0.03	ND			0.0109	
21)	Carbon Tetrachloride	0.02	ND			0.0126	
23)	Benzene	0.04	0.0100	E		0.0064	
25)	1,2-Dichloroethane	-0.11	~~0.0286~~	ND	RT	0.0081	
26)	Trichloroethene	-0.00	ND			0.0107	
27)	1,2-Dichloropropane	-0.08	~~0.0591~~	ND	MS	0.0092	
28)	Bromodichloromethane		ND			0.0134	
29)	c-1,3-Dichloropropene	-0.36	ND			0.0091	
30)	4-Methyl-2-Pentanone	-0.51	~~0.1108~~	ND	RT	0.0409	
32)	Toluene	-0.01	0.0341			~~0.0075~~	0.019
34)	t-1,3-Dichloropropene	-0.33	ND			0.0091	
35)	1,1,2-Trichloroethane	-0.02	ND			0.0109	
36)	Tetrachloroethene	-0.04	ND			0.0135	
37)	2-Hexanone	-0.10	ND			0.1226	
38)	Dibromochloromethane	-0.09	ND			0.0170	
39)	1,2-Dibromoethane	-0.20	ND			0.0153	
40)	Chlorobenzene	0.00	ND			0.0092	
41)	Ethylbenzene	-0.02	ND			0.0087	
42)	p,&m-Xylene	-0.04	0.0134			0.0087	
43)	o-Xylene	-0.03	ND			0.0087	
44)	Styrene	-0.02	ND			0.0085	
45)	Bromoform		ND			0.0206	

M9B110225-006

Sample Name:	CQPMK-001 OHM	**Data Analyzed:**	02/11/19 -1:8:
Misc. Info:	500 ml 18708-826 (-6) TEDLA	**Method:**	MSB0211
Data Name:	B1111.D	**Shift Cali.File:**	CC02111.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.01	ND	0.0137
48)	Benzyl Chloride	-0.08	ND	0.0518
49)	4-Ethyl Toluene	-0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	-0.01	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.03	ND	0.0098
52)	1,3-Dichlorobenzene	0.03	0.0367	0.0120
53)	1,4-Dichlorobenzene	-0.19	~~0.0582~~ XID RT	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene	0.02	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		0.083	0.016

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	289806	306257	OK	7.05	7.06	OK
1,4-Difluorobenzene	1276078	1364282	OK	8.69	8.70	OK
Chlorobenzene-d5	663126	757478	OK	14.01	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	68.54	137.1
Toluene-d8	50	54.07	108.1
4-Bromofluorobenzene	50	47.00	94.0

Comments:

Foot Notes: F

1st Review: PN 2/12/99 2nd Review

FEB 12.99 17:27 FR 714 258 0921 TO OHM-IRVINE P.23

(ug/L)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219489
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Thizar Tinhut-Williams	LAB COORDINATOR'S PHONE: (949) 666-5366	LAB COORDINATOR'S FAX: (949) 475-5733	LABORATORY SERVICE ID: Q136082	LABORATORY CONTACT: Maria Jones	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 16233	LABORATORY PHONE: (714) 258-8616	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Thizar Tinhut-Williams	PROJECT PHONE NUMBER: (949) 666-5366	PROJECT FAX: (949) 475-5733	LABORATORY ADDRESS: Mentora		ADDRESS: 3317 Michelson Dr, Ste. 2000
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: 1411 Hunckler W Dr	CITY, STATE AND ZIPCODE: Santa Ana, CA		CITY, STATE, AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Gordak	PROJECT MANAGER'S PHONE: (714) 666-5366	PROJECT MANAGER'S FAX: (714) 475-5733			

Analyze 'A' Bag only first

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TE-14								Comments
1	16233-651	Vapor	2/3/99	1000	Ambient	2	III	24 hr	X								
2	16233-655	Vapor	2/3/99	1030	Ambient	3	III	24 hr	X								
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
Linda Wiley		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Linda Wiley	[illegible]	2-3-99	12:15 PM	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
(1) 24SG109-Amb	X		X	X
(2) 24SG109 @ 50'	X		X	

Comments
SG109 @ Site 24

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	136082-1 OHM	**Data Analyzed:**	4 Feb 1999 11:35
Misc. Info:	500 ML 18233-054 TEDLARG	**Method:**	MSA0204
Data Name:	A2014.D	**Shift Cali.File:**	CC02041.D
Data Path:	D:\GCMSA-1\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.00	ND	0.0099
3)	Chloromethane	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane	-0.03	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.29	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	-0.00	0.1044	0.0237
13)	Methylene Chloride	0.00	ND	0.0069
14)	t-1,2-Dichloroethene	-0.24	ND	0.0079
15)	1,1-Dichloroethane	-0.02	ND	0.0081
16)	Vinyl Acetate	-0.19	ND	0.0351
17)	c-1,2-Dichloroethene	0.34	ND	0.0079
18)	2-Butanone	-0.01	ND	0.0294
19)	Chloroform	-0.06	ND	0.0097
20)	1,1,1-Trichloroethane	0.03	ND	0.0109
21)	Carbon Tetrachloride	-0.01	ND	0.0126
23)	Benzene	-0.01	0.0073	0.0064
25)	1,2-Dichloroethane	0.12	ND	0.0081
26)	Trichloroethene	-0.00	ND	0.0107
27)	1,2-Dichloropropane	-0.10	N.P ~~0.0150~~ RT.	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.28	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.40	ND	0.0409
32)	Toluene	-0.10	0.1830	~~0.0075~~ 0.017
34)	t-1,3-Dichloropropene	-0.08	ND	0.0091
35)	1,1,2-Trichloroethane	0.34	ND	0.0109
36)	Tetrachloroethene	-0.05	0.0182	0.0135
37)	2-Hexanone	0.10	ND	0.1226
38)	Dibromochloromethane	-0.24	ND	0.0170
39)	1,2-Dibromoethane	-0.29	ND	0.0153
40)	Chlorobenzene	0.03	ND	0.0092
41)	Ethylbenzene	-0.01	0.0528	0.0087
42)	p,&m-Xylene	0.00	0.2088	0.0087
43)	o-Xylene	0.04	0.0687	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 12'99 11:14 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	136082-1 OHM	Data Analyzed:	02/ 4/19 -1:1:
Misc. Info:	500 ML 18233-054 TEDLARG	Method:	MSA0204
Data Name:	A2014.D	Shift Cali.File:	CC02041.D
Data Path:	D:\GCMSA-1\990201\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.10	ND	0.0137
48)	Benzyl Chloride	0.21	ND	0.0518
49)	4-Ethyl Toluene	0.07	0.0256	0.0098
50)	1,3,5-Trimethylbenzene	0.09	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.11	0.0252	0.0098
52)	1,3-Dichlorobenzene	0.25	ND	0.0120
53)	1,4-Dichlorobenzene	0.11	ND	0.0120
54)	1,2-Dichlorobenzene	-0.29	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.25	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		~~ND~~ 0.043	0.031

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	323713	317438	OK	7.52	7.54	OK
1,4-Difluorobenzene	1692200	1757885	OK	9.22	9.23	OK
Chlorobenzene-d5	843757	894882	OK	14.67	14.57	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.07	102.1
Toluene-d8	50	48.72	97.4
4-Bromofluorobenzene	50	51.37	102.7

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review PN 2/11/99

FEB 12'99 11:15 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	136082-2 OHM	**Data Analyzed:**	4 Feb 1999 12:03
Misc. Info:	100 ML 18233-055 TEDLARG	**Method:**	MSA0204
Data Name:	A2015.D	**Shift Cali.File:**	CC02041.D
Data Path:	D:\GCMSA-1\990201\	**Dilution Factor:**	5

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.11	ND	0.0493
3)	Chloromethane	-0.14	ND	0.0412
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.25	ND	0.0698
5)	Vinyl Chloride		ND	0.0255
6)	Bromomethane	0.45	ND	0.0388
7)	Chloroethane		ND	0.0527
8)	Trichlorofluoromethane (11)		ND	0.0561
9)	1,1-Dichloroethene	-0.01	0.4080	0.0396
10)	Carbon Disulfide	0.09	ND	0.1554
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	11.4448	0.0765
12)	Acetone	-0.11	NP ~~0.3773~~ RT	0.1186
13)	Methylene Chloride		ND	0.0347
14)	t-1,2-Dichloroethene		ND	0.0396
15)	1,1-Dichloroethane	-0.01	ND	0.0404
16)	Vinyl Acetate	-0.03	ND	0.1757
17)	c-1,2-Dichloroethene		ND	0.0396
18)	2-Butanone	-0.00	ND	0.1472
19)	Chloroform	0.04	ND	0.0487
20)	1,1,1-Trichloroethane	0.04	ND	0.0545
21)	Carbon Tetrachloride	0.00	ND	0.0628
23)	Benzene	0.00	ND	0.0319
25)	1,2-Dichloroethane	-0.03	ND	0.0404
26)	Trichloroethene	-0.01	0.1191	0.0536
27)	1,2-Dichloropropane		ND	0.0461
28)	Bromodichloromethane		ND	0.0669
29)	c-1,3-Dichloropropene	-0.17	ND	0.0453
30)	4-Methyl-2-Pentanone	0.01	ND	0.2044
32)	Toluene	0.01	NP 0.0900	~~0.0376~~ ~~0.095~~ 0.095
34)	t-1,3-Dichloropropene		ND	0.0453
35)	1,1,2-Trichloroethane	-0.01	ND	0.0545
36)	Tetrachloroethene	-0.02	ND	0.0677
37)	2-Hexanone	-0.24	ND	0.6132
38)	Dibromochloromethane	-0.27	ND	0.0850
39)	1,2-Dibromoethane	-0.24	ND	0.0767
40)	Chlorobenzene	-0.01	ND	0.0459
41)	Ethylbenzene	-0.03	ND	0.0433
42)	p,&m-Xylene	-0.00	0.0995	0.0433
43)	o-Xylene	-0.02	ND	0.0433
44)	Styrene	-0.05	ND	0.0425
45)	Bromoform		ND	0.1032

FEB 12'99 11:15 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	136082-2 OHM	**Data Analyzed:**	02/ 4/19 -1:2:
Misc. Info:	100 ML 18233-055 TEDLARG	**Method:**	MSA0204
Data Name:	A2015.D	**Shift Cali.File:**	CC02041.D
Data Path:	D:\GCMSA~1\990201\	**Dilution Factor:**	5

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.39	ND	0.0685
48)	Benzyl Chloride	-0.01	ND	0.2588
49)	4-Ethyl Toluene	-0.05	ND	0.0491
50)	1,3,5-Trimethylbenzene	0.01	ND	0.0491
51)	1,2,4-Trimethylbenzene	-0.02	ND	0.0491
52)	1,3-Dichlorobenzene		ND	0.0600
53)	1,4-Dichlorobenzene	-0.12	ND	0.0600
54)	1,2-Dichlorobenzene	-0.52	ND	0.0600
55)	1,2,4-Trichlorobenzene		ND	0.7406
56)	Hexachlorobutadiene		ND	0.2129
	MTBE		ND	0.18

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	323713	327929	OK	7.52	7.51	OK
1,4-Difluorobenzene	1692200	1729648	OK	9.22	9.23	OK
Chlorobenzene-d5	843757	878781	OK	14.67	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.65	101.3
Toluene-d8	50	50.01	100.0
4-Bromofluorobenzene	50	49.06	98.1

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review PNR 2/11/99

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219495
FORM 0019 REV. 2-92

OHM LAB COORDINATOR: Mizar Tintut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: Q136102	LABORATORY CONTACT: Mario Torres	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: SVE 54 (A, Site 24)	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 251-8610	LABORATORY FAX:	RECIPIENT NAME: Duwayne Ishida
PROJECT CONTACT: Mizar Tintut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Guarterra		ADDRESS: 3247 McCleskin Dr. Ste 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: Lynn Hornecker, Sil Div	CITY, STATE AND ZIPCODE: Santa Ana, CA		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' Bag first

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Analyses Non-Conditional	Comments
1	18708-779 ✓	Vapor	2/5/99	1010	Ambient	2	III	5 day	X		
2	18708-780	Vapor	2/5/99	1015	Ambient	2	III	24 hr		X	Analyze only if 18708-781 is detected
3	18708-781	Vapor	2/5/99	1020	Ambient	3	III	24 hr ~~5 day~~	X		
4	18708-782 ✓	Vapor	2/5/99	1025	Ambient	3	III	5 day	X		
5											
6											
7											
8											
9											
10											

Linda Culley 2/5/99

SAMPLES COLLECTED BY: Linda Culley
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Linda Culley	[illegible]	[illegible]	[illegible]	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) 24 SVE 54 - Amb	X		X	X
(2) 24 SVE 54 - Eff	X		X	
(3) 24 SVE 54 - Mid	X		X	
(4) 24 SVE 54 - Inf	X		X	

Comments: 3rd Day Sampling Event

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

FEB. 8. 1999 7:08PM NO. 0699 P. 3

Quanterra Air Toxics Lab

Sample Name:	136102-1 OHM	**Data Analyzed:**	5 Feb 1999 16:39
Misc. Info:	500 ML 18708-779 TEDLAR	**Method:**	MSA0205
Data Name:	A2042.D	**Shift Cali.File:**	CC02051.D
Data Path:	D:\GCMSA~1\990201\	**Dilution Factor:**	1

Compound	dRT	Result(ppbv)	RL(ppbv)
2) Dichlorodifluoromethane (12)	-0.00	ND	2.00
3) Chloromethane	-0.02	ND	4.00
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5) Vinyl Chloride		ND	2.00
6) Bromomethane		ND	2.00
7) Chloroethane		ND	4.00
8) Trichlorofluoromethane (11)	0.06	ND	2.00
9) 1,1-Dichloroethene	-0.23	ND	2.00
10) Carbon Disulfide	0.03	ND	10.00
11) 1,1,2-Cl 1,2,2-F ethane (113)	-0.00	ND	2.00
12) Acetone	0.07	ND	10.00
13) Methylene Chloride	0.04	ND	2.00
14) t-1,2-Dichloroethene		ND	2.00
15) 1,1-Dichloroethane		ND	2.00
16) Vinyl Acetate	-0.07	ND	10.00
17) c-1,2-Dichloroethene		ND	2.00
18) 2-Butanone	-0.03	ND	10.00
19) Chloroform		ND	2.00
20) 1,1,1-Trichloroethane	0.03	ND	2.00
21) Carbon Tetrachloride	-0.03	ND	2.00
23) Benzene	-0.01	ND	2.00
25) 1,2-Dichloroethane		ND	2.00
26) Trichloroethene	-0.05	ND	2.00
27) 1,2-Dichloropropane		ND	2.00
28) Bromodichloromethane	-0.39	ND	2.00
29) c-1,3-Dichloropropene	-0.16	ND	2.00
30) 4-Methyl-2-Pentanone	-0.13	ND	10.00
32) Toluene	-0.10	ND	~~2.00~~
34) t-1,3-Dichloropropene		ND	2.00
35) 1,1,2-Trichloroethane	-0.18	ND	2.00
36) Tetrachloroethene	-0.00	ND	2.00
37) 2-Hexanone	0.06	ND	30.00
38) Dibromochloromethane		ND	2.00
39) 1,2-Dibromoethane		ND	2.00
40) Chlorobenzene		ND	2.00
41) Ethylbenzene	0.02	ND	2.00
42) p,&m-Xylene	0.03	ND	2.00
43) o-Xylene	0.07	ND	2.00
44) Styrene	0.05	ND	2.00
45) Bromoform		ND	2.00

FEB 12'99 11:18 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	136102-1 OHM	Data Analyzed:	02/ 5/19 -1:6:
Misc. Info:	500 ML 18708-779 TEDLAR	Method:	MSA0205
Data Name:	A2042.D	Shift Cali.File:	CC02051.D
Data Path:	D:\GCMSA~1\990201\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.15	ND	2.00
48)	Benzyl Chloride	0.06	ND	10.00
49)	4-Ethyl Toluene	0.27	ND	2.00
50)	1,3,5-Trimethylbenzene	0.09	ND	2.00
51)	1,2,4-Trimethylbenzene	0.12	ND	2.00
52)	1,3-Dichlorobenzene		ND	2.00
53)	1,4-Dichlorobenzene		ND	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	290665	289439	OK	7.49	7.55	OK
1,4-Difluorobenzene	1540274	1535660	OK	9.19	9.22	OK
Chlorobenzene-d5	799918	766220	OK	14.67	14.56	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.92	107.8
Toluene-d8	50	48.84	97.7
4-Bromofluorobenzene	50	47.57	95.1

Comments:

Foot Notes:

1st Review: LR 2/9/99

2nd Review: YDM 2/9/99

FEB 12'99 11:18 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	136182-4 OHM	Data Analyzed:	5 Feb 1999 17:12
Misc. Info:	6 ML 18708-782 TEDLAR	Method:	MSA0205
Data Name:	A2043.D	Shift Cali.File:	CC02051.D
Data Path:	D:\GCMSA~1\990201\	Dilution Factor:	83.33

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	166.66
3)	Chloromethane		ND	333.32
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	166.66
5)	Vinyl Chloride		ND	166.66
6)	Bromomethane	-0.50	ND	166.66
7)	Chloroethane		ND	333.32
8)	Trichlorofluoromethane (11)		ND	166.66
9)	1,1-Dichloroethene	0.02	183.95	166.66
10)	Carbon Disulfide		ND	833.30
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	2067.80	166.66
12)	Acetone	-0.05	ND	833.30
13)	Methylene Chloride		ND	166.66
14)	t-1,2-Dichloroethene		ND	166.66
15)	1,1-Dichloroethane		ND	166.66
16)	Vinyl Acetate	-0.07	ND	833.30
17)	c-1,2-Dichloroethene	0.01	ND	166.66
18)	2-Butanone		ND	833.30
19)	Chloroform	-0.02	ND	166.66
20)	1,1,1-Trichloroethane		ND	166.66
21)	Carbon Tetrachloride	-0.00	ND	166.66
23)	Benzene	-0.40	ND	166.66
25)	1,2-Dichloroethane		ND	166.66
26)	Trichloroethene	-0.01	16018.02	166.66
27)	1,2-Dichloropropane		ND	166.66
28)	Bromodichloromethane		ND	166.66
29)	c-1,3-Dichloropropene		ND	166.66
30)	4-Methyl-2-Pentanone	-0.05	ND	833.30
32)	Toluene		ND	~~166.66~~ 416.6
34)	t-1,3-Dichloropropene		ND	166.66
35)	1,1,2-Trichloroethane	-0.31	ND	166.66
36)	Tetrachloroethene	0.00	299.74	166.66
37)	2-Hexanone		ND	2499.90
38)	Dibromochloromethane		ND	166.66
39)	1,2-Dibromoethane		ND	166.66
40)	Chlorobenzene		ND	166.66
41)	Ethylbenzene	-0.35	ND	166.66
42)	p,&m-Xylene		ND	166.66
43)	o-Xylene		ND	166.66
44)	Styrene		ND	166.66
45)	Bromoform		ND	166.66

MHV

FEB 12'99 11:19 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	136102-4 OHM	Data Analyzed:	02/ 5/19 -1:7:
Misc. Info:	6 ML 18708-782 TEDLA	Method:	MSA0205
Data Name:	A2043.D	Shift Call.File:	CC02051.D
Data Path:	D:\GCMSA-1\990201\	Dilution Factor:	83.33

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	166.66
48)	Benzyl Chloride	0.09	ND	833.30
49)	4-Ethyl Toluene		ND	166.66
50)	1,3,5-Trimethylbenzene		ND	166.66
51)	1,2,4-Trimethylbenzene	0.09	ND	166.66
52)	1,3-Dichlorobenzene		ND	166.66
53)	1,4-Dichlorobenzene		ND	166.66
54)	1,2-Dichlorobenzene		ND	166.66
55)	1,2,4-Trichlorobenzene		ND	1666.60
56)	Hexachlorobutadiene		ND	333.32
	MTBE		ND	833.3

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	290665	267663	OK	7.49	7.55	OK
1,4-Difluorobenzene	1540274	1428185	OK	9.19	9.26	OK
Chlorobenzene-d5	799918	703756	OK	14.67	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.55	111.1
Toluene-d8	50	49.98	100.0
4-Bromofluorobenzene	50	46.81	93.6

Comments:

Foot Notes:

1st Review: LR 2/9/99

2nd Review: YOM 2/9/99

FEB 12'99 11:19 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	136102-1 OHM	**Data Analyzed:**	5 Feb 1999 16:39
Misc. Info:	500 ML 18708-779 TEDLAR	**Method:**	MSA0205
Data Name:	a2042.d	**Shift Cali.File:**	CC02051.D
Data Path:	d:\gcmsa~1\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.00	ND	0.0099
3)	Chloromethane	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.06	ND	0.0112
9)	1,1-Dichloroethene	-0.23	ND	0.0079
10)	Carbon Disulfide	0.03	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	ND	0.0153
12)	Acetone	0.07	ND	0.0237
13)	Methylene Chloride	0.04	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.07	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	-0.03	ND	0.0294
19)	Chloroform		ND	0.0097
20)	1,1,1-Trichloroethane	0.03	ND	0.0109
21)	Carbon Tetrachloride	-0.03	ND	0.0126
23)	Benzene	-0.01	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	-0.05	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane	-0.39	ND	0.0134
29)	c-1,3-Dichloropropene	-0.16	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.13	ND	0.0409
32)	Toluene	-0.10	ND	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.18	ND	0.0109
36)	Tetrachloroethene	-0.00	ND	0.0135
37)	2-Hexanone	0.06	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	ND	0.0087
42)	p,&m-Xylene	0.03	ND	0.0087
43)	o-Xylene	0.07	ND	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

Sample Name:	136102-1 OHM	Data Analyzed:	02/ 5/19 -1:6:
Misc. Info:	500 ML 18708-779 TEDLAR	Method:	MSA0205
Data Name:	a2042.d	Shift Cali.File:	CC02051.D
Data Path:	d:\gcmsa~1\990201\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.15	ND	0.0137
48)	Benzyl Chloride	0.06	ND	0.0518
49)	4-Ethyl Toluene	0.27	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.09	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.12	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	290665	289439	OK	7.49	7.55	OK
1,4-Difluorobenzene	1540274	1535660	OK	9.19	9.22	OK
Chlorobenzene-d5	799918	766220	OK	14.67	14.56	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.92	107.8
Toluene-d8	50	48.84	97.7
4-Bromofluorobenzene	50	47.57	95.1

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review Upon 2/9/99

FEB 12'99 11:19 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	136102-4 OHM	Data Analyzed:	5 Feb 1999 17:12
Misc. Info:	6 ML 18708-782 TEDLAR	Method:	MSA0205
Data Name:	A2043.D	Shift Call.File:	CC02051.D
Data Path:	D:\GCMSA-1\990201\	Dilution Factor:	83.33

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)		ND	0.8225
3)	Chloromethane		ND	0.6870
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	1.1626
5)	Vinyl Chloride		ND	0.4251
6)	Bromomethane	-0.50	ND	0.6458
7)	Chloroethane		ND	0.8776
8)	Trichlorofluoromethane (11)		ND	0.9345
9)	1,1-Dichloroethene	0.02	0.7279	0.6595
10)	Carbon Disulfide		ND	2.5899
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	15.8145	1.2746
12)	Acetone	-0.05	ND	1.9758
13)	Methylene Chloride		ND	0.5778
14)	t-1,2-Dichloroethene		ND	0.6595
15)	1,1-Dichloroethane		ND	0.6731
16)	Vinyl Acetate	-0.07	ND	2.9282
17)	c-1,2-Dichloroethene	0.01	ND	0.6595
18)	2-Butanone		ND	2.4524
19)	Chloroform	-0.02	ND	0.8121
20)	1,1,1-Trichloroethane		ND	0.9075
21)	Carbon Tetrachloride	-0.00	ND	1.0463
23)	Benzene	-0.40	ND	0.5313
25)	1,2-Dichloroethane		ND	0.6731
26)	Trichloroethene	-0.01	85.9047	0.8938
27)	1,2-Dichloropropane		ND	0.7686
28)	Bromodichloromethane		ND	1.1145
29)	c-1,3-Dichloropropene		ND	0.7548
30)	4-Methyl-2-Pentanone	-0.05	ND	3.4065
32)	Toluene		ND	~~0.6208~~ 1.58
34)	t-1,3-Dichloropropene		ND	0.7548
35)	1,1,2-Trichloroethane	-0.31	ND	0.9075
36)	Tetrachloroethene	0.00	2.0290	1.1281
37)	2-Hexanone		ND	10.2196
38)	Dibromochloromethane		ND	1.4169
39)	1,2-Dibromoethane		ND	1.2779
40)	Chlorobenzene		ND	0.7656
41)	Ethylbenzene	-0.35	ND	0.7221
42)	p,&m-Xylene		ND	0.7221
43)	o-Xylene		ND	0.7221
44)	Styrene		ND	0.7085
45)	Bromoform		ND	1.7193

FEB 12'99 11:20 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	136102-4 OHM	Data Analyzed:	02/ 5/19 -1:7:
Misc. Info:	6 ML 18708-782 TEDLA	Method:	MSA0205
Data Name:	A2043.D	Shift Call.File:	CC02051.D
Data Path:	D:\GCMSA-1\990201\	Dilution Factor:	83.33

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	1.1418
48)	Benzyl Chloride	0.09	ND	4.3132
49)	4-Ethyl Toluene		ND	0.8176
50)	1,3,5-Trimethylbenzene		ND	0.8176
51)	1,2,4-Trimethylbenzene	0.09	ND	0.8176
52)	1,3-Dichlorobenzene		ND	1.0000
53)	1,4-Dichlorobenzene		ND	1.0000
54)	1,2-Dichlorobenzene		ND	1.0000
55)	1,2,4-Trichlorobenzene		ND	12.3428
56)	Hexachlorobutadiene		ND	3.5475
	MTBE		ND	3.0

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	290665	267663	OK	7.49	7.55	OK
1,4-Difluorobenzene	1540274	1428185	OK	9.19	9.26	OK
Chlorobenzene-d5	799918	703756	OK	14.67	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.55	111.1
Toluene-d8	50	49.98	100.0
4-Bromofluorobenzene	50	46.81	93.6

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review VJOM 2/9/99

FEB 12'99 11:20 FR 714 258 0921 TO OHM-IRVINE P.09

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

219496

FORM 0019 REV 2/97

OHM LAB COORDINATOR: THEAR TINTOR WILLIAMS	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: Q136097	LABORATORY CONTACT: MARIA JONES	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: SVE 54 (Long Term)	PROJECT LOCATION: MCAS ELTORO	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 558-8610	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: THEAR TINTOR WILLIAMS	PROJECT PHONE NUMBER: (949) 451-1667	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr. #200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Hernecker, SW Div	CITY, STATE AND ZIPCODE: Santa Ana, CA		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: BILL SEDLAK	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475 5433			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Analyses Conditional Hold	Comments
											'Analyse A bag first'
1	18708-771 ✓	Vapor	2/4/99	0905	Ambient	2	III	5 DAY	X		
2	18708-772	Vapor	2/4/99	0910	Ambient	2	III	24 hr		X	Analyze only if 18708-772 is detected.
3	18708-773	Vapor	2/4/99	0915	Ambient	2	III	24 hr	X		
4	18708-774 ✓	Vapor	2/4/99	0920	Ambient	3	III	5 DAY	X		
5											
6											
7											
8					2/4/99						
9											
10											

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]		2/4/99		

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. 24SVE54 - Ambient	X		X	X
2. 24SVE54 - Eff	X		X	
3. 24SVE54 - Mid	X		X	
4. 24SVE54 - Inf	X		X	

Comments: '2nd Daily Sampling'

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	136097-1 OHM	**Data Analyzed:**	5 Feb 1999 15:14
Misc. Info:	500 ml 18708-771 TEDLAR BAG	**Method:**	MSB0205
Data Name:	B1062.D	**Shift Call.File:**	CC02051.D
Data Path:	d:\gcmsb\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.04	ND	2.00
3)	Chloromethane	-0.04	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane	0.01	ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.01	ND	2.00
9)	1,1-Dichloroethene	-0.25	ND	2.00
10)	Carbon Disulfide	-0.00	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.04	ND	2.00
12)	Acetone	0.03	ND	10.00
13)	Methylene Chloride	0.02	ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	0.03	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.04	ND	10.00
19)	Chloroform	0.03	ND	2.00
20)	1,1,1-Trichloroethane	-0.01	ND	2.00
21)	Carbon Tetrachloride	0.01	ND	2.00
23)	Benzene	0.01	ND	2.00
25)	1,2-Dichloroethane		ND	2.00
26)	Trichloroethene	-0.02	ND	2.00
27)	1,2-Dichloropropane		ND	2.00
28)	Bromodichloromethane	0.22	ND	2.00
29)	c-1,3-Dichloropropene	0.03	ND	2.00
30)	4-Methyl-2-Pentanone	-0.09	ND	10.00
32)	Toluene	-0.06	ND	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene	-0.19	ND	2.00
35)	1,1,2-Trichloroethane	-0.28	ND	2.00
36)	Tetrachloroethene	0.02	ND	2.00
37)	2-Hexanone	-0.09	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane		ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.00	ND	2.00
42)	p,&m-Xylene	-0.01	ND	2.00
43)	o-Xylene	0.02	ND	2.00
44)	Styrene	0.06	ND	2.00
45)	Bromoform		ND	2.00

FEB 12'99 11:31 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	136097-1 OHM	Data Analyzed:	02/ 5/19 -1:5:
Misc. Info:	500 ml 18708-771 TEDLAR BA	Method:	MSB0205
Data Name:	B1062.D	Shift Call.File:	CC02051.D
Data Path:	d:\gcmsb\990201\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.41	ND	2.00
48)	Benzyl Chloride	-0.04	ND	10.00
49)	4-Ethyl Toluene	0.07	ND	2.00
50)	1,3,5-Trimethylbenzene	0.09	ND	2.00
51)	1,2,4-Trimethylbenzene	0.01	ND	2.00
52)	1,3-Dichlorobenzene	0.35	ND	2.00
53)	1,4-Dichlorobenzene	0.14	ND	2.00
54)	1,2-Dichlorobenzene		ND	2.00
55)	1,2,4-Trichlorobenzene	0.17	ND	20.00
56)	Hexachlorobutadiene	-0.48	ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	325769	351722	OK	7.05	7.05	OK
1,4-Difluorobenzene	1387498	1488846	OK	8.69	8.68	OK
Chlorobenzene-d5	681205	660083	OK	13.99	13.87	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.23	100.5
Toluene-d8	50	38.26	76.5
4-Bromofluorobenzene	50	54.33	108.7

Comments:

Foot Notes:

1st Review: PLF 2/5/99 2nd Review: YOM 2/8/99

FEB 12'99 11:32 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	136097-4 OHM	Data Analyzed:	5 Feb 1999 15:42
Misc. Info:	3 ml 18708-774 TEDLAR BAG	Method:	MSB0205
Data Name:	B1063.D	Shift Cali.File:	CC02051.D
Data Path:	d:\gcmsb\990201\	Dilution Factor:	166.7

Compound	dRT	Result(ppbv)	RL(ppbv)
2) Dichlorodifluoromethane (12)		ND	333.40
3) Chloromethane		ND	666.80
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	333.40
5) Vinyl Chloride		ND	333.40
6) Bromomethane		ND	333.40
7) Chloroethane		ND	666.80
8) Trichlorofluoromethane (11)		ND	333.40
9) 1,1-Dichloroethene	0.00	344.66	333.40
10) Carbon Disulfide		ND	1667.00
11) 1,1,2-Cl 1,2,2-F ethane (113)	-0.02	3881.22	333.40
12) Acetone	-0.07	ND	1667.00
13) Methylene Chloride	-0.04	ND	333.40
14) t-1,2-Dichloroethene		ND	333.40
15) 1,1-Dichloroethane		ND	333.40
16) Vinyl Acetate	-0.06	ND	1667.00
17) c-1,2-Dichloroethene	0.01	ND	333.40
18) 2-Butanone		ND	1667.00
19) Chloroform	-0.00	ND	333.40
20) 1,1,1-Trichloroethane	-0.00	ND	333.40
21) Carbon Tetrachloride	-0.01	ND	333.40
23) Benzene	-0.12	ND	333.40
25) 1,2-Dichloroethane		ND	333.40
26) Trichloroethene	0.01	26824.96	333.40
27) 1,2-Dichloropropane	-0.30	ND	333.40
28) Bromodichloromethane		ND	333.40
29) c-1,3-Dichloropropene		ND	333.40
30) 4-Methyl-2-Pentanone	-0.03	ND	1667.00
32) Toluene	-0.05	ND	~~333.40~~ 834
34) t-1,3-Dichloropropene		ND	333.40
35) 1,1,2-Trichloroethane	0.18	ND	333.40
36) Tetrachloroethene	0.03	648.34	333.40
37) 2-Hexanone		ND	5001.00
38) Dibromochloromethane		ND	333.40
39) 1,2-Dibromoethane		ND	333.40
40) Chlorobenzene		ND	333.40
41) Ethylbenzene	-0.31	ND	333.40
42) p,&m-Xylene		ND	333.40
43) o-Xylene		ND	333.40
44) Styrene		ND	333.40
45) Bromoform		ND	333.40

Sample Name:	136097-4 OHM	**Data Analyzed:**	02/ 5/19 -1:5:
Misc. Info:	3 ml 18708-774 TEDLAR BAG	**Method:**	MSB0205
Data Name:	B1063.D	**Shift Call.File:**	CC02051.D
Data Path:	d:\gcmsb\990201\	**Dilution Factor:**	166.7

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	333.40
48)	Benzyl Chloride	0.38	ND	1667.00
49)	4-Ethyl Toluene	-0.43	ND	333.40
50)	1,3,5-Trimethylbenzene		ND	333.40
51)	1,2,4-Trimethylbenzene	0.46	ND	333.40
52)	1,3-Dichlorobenzene		ND	333.40
53)	1,4-Dichlorobenzene		ND	333.40
54)	1,2-Dichlorobenzene		ND	333.40
55)	1,2,4-Trichlorobenzene		ND	3334.00
56)	Hexachlorobutadiene		ND	666.80
	MTBE		ND	1667

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	325769	306182	OK	7.05	7.06	OK
1,4-Difluorobenzene	1387498	1356539	OK	8.69	8.71	OK
Chlorobenzene-d5	681205	645431	OK	13.99	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	46.29	92.6
Toluene-d8	50	47.38	94.8
4-Bromofluorobenzene	50	48.04	96.1

Comments:

Foot Notes:

1st Review: PRO 2/5/99

2nd Review: VDM 2/8/99

FEB 12,99 11:33 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	136097-1 OHM	**Data Analyzed:**	5 Feb 1999 15:14
Misc. Info:	500 ml 18708-771 TEDLAR BAG	**Method:**	MSB0205
Data Name:	B1062.D	**Shift Cali.File:**	CC02051.D
Data Path:	d:\gcmsb\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.04	ND	0.0099
3)	Chloromethan	-0.04	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.01	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.25	ND	0.0079
10)	Carbon Disulfide	-0.00	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.04	ND	0.0153
12)	Acetone	0.03	ND	0.0237
13)	Methylene Chloride	0.02	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.03	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.04	ND	0.0294
19)	Chloroform	0.03	ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	-0.02	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane	0.22	ND	0.0134
29)	c-1,3-Dichloropropene	0.03	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.09	ND	0.0409
32)	Toluene	-0.06	ND	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.19	ND	0.0091
35)	1,1,2-Trichloroethane	-0.28	ND	0.0109
36)	Tetrachloroethene	0.02	ND	0.0135
37)	2-Hexanone	-0.09	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.00	ND	0.0087
42)	p,&m-Xylene	-0.01	ND	0.0087
43)	o-Xylene	0.02	ND	0.0087
44)	Styrene	0.06	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 12'99 11:32 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	136097-1 OHM	Data Analyzed:	02/ 5/19 -1:5:
Misc. Info:	500 ml 18708-771 TEDLAR B	Method:	MSB0205
Data Name:	B1062.D	Shift Call.File:	CC02051.D
Data Path:	d:\gcmsb\990201\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.41	ND	0.0137
48)	Benzyl Chloride	-0.04	ND	0.0518
49)	4-Ethyl Toluene	0.07	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.09	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.01	ND	0.0098
52)	1,3-Dichlorobenzene	0.35	ND	0.0120
53)	1,4-Dichlorobenzene	0.14	ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene	0.17	ND	0.1481
56)	Hexachlorobutadiene	-0.48	ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	325769	351722	OK	7.05	7.05	OK
1,4-Difluorobenzene	1387498	1488846	OK	8.69	8.68	OK
Chlorobenzene-d5	681205	660083	OK	13.99	13.87	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.23	100.5
Toluene-d8	50	38.26	76.5
4-Bromofluorobenzene	50	54.33	108.7

Comments:

Foot Notes:

1st Review: PLS 2/5/99 2nd Review YDM 2/8/99

FEB 12'99 11:32 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	136097-4 OHM	**Data Analyzed:**	5 Feb 1999 15:42
Misc. Info:	3 ml 18708-774 TEDLAR BAG	**Method:**	MSB0205
Data Name:	B1063.D	**Shift Call.File:**	CC02051.D
Data Path:	d:\gcmsb\990201\	**Dilution Factor:**	166.7

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1		ND	1.6453
3)	Chloromethan		ND	1.3743
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.3258
5)	Vinyl Chloride		ND	0.8505
6)	Bromomethan		ND	1.2919
7)	Chloroethane		ND	1.7557
8)	Trichlorofluoromethane (11)		ND	1.8694
9)	1,1-Dichloroethene	0.00	1.3638	1.3193
10)	Carbon Disulfide		ND	5.1810
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	29.6836	2.5498
12)	Acetone	-0.07	ND	3.9525
13)	Methylene Chloride	-0.04	ND	1.1559
14)	t-1,2-Dichloroethene		ND	1.3193
15)	1,1-Dichloroethane		ND	1.3466
16)	Vinyl Acetate	-0.06	ND	5.8578
17)	c-1,2-Dichloroethene	0.01	ND	1.3193
18)	2-Butanone		ND	4.9060
19)	Chloroform	-0.00	ND	1.6247
20)	1,1,1-Trichloroethane	-0.00	ND	1.8154
21)	Carbon Tetrachloride	-0.01	ND	2.0931
23)	Benzene	-0.12	ND	1.0629
25)	1,2-Dichloroethane		ND	1.3466
26)	Trichloroethene	0.01	143.8623	1.7880
27)	1,2-Dichloropropane	-0.30	ND	1.5376
28)	Bromodichloromethane		ND	2.2294
29)	c-1,3-Dichloropropene		ND	1.5100
30)	4-Methyl-2-Pentanone	-0.03	ND	6.8147
32)	Toluene	-0.05	ND	~~1.2539~~ 3.135
34)	t-1,3-Dichloropropene		ND	1.5100
35)	1,1,2-Trichloroethane	0.18	ND	1.8154
36)	Tetrachloroethene	0.03	4.3886	2.2568
37)	2-Hexanone		ND	20.4441
38)	Dibromochloromethane		ND	2.8346
39)	1,2-Dibromoethane		ND	2.5565
40)	Chlorobenzene		ND	1.5316
41)	Ethylbenzene	-0.31	ND	1.4446
42)	p,&m-Xylene		ND	1.4446
43)	o-Xylene		ND	1.4446
44)	Styrene		ND	1.4173
45)	Bromoform		ND	3.4394

FEB 12'99 11:33 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	136097-4 OHM	Data Analyzed:	02/ 5/19 -1:5:
Misc. Info:	3 ml 18708-774 TEDLAR BAG	Method:	MSB0205
Data Name:	B1063.D	Shift Call.File:	CC02051.D
Data Path:	d:\gcmsb\990201\	Dilution Factor:	166.7

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	2.2841
48)	Benzyl Chloride	0.38	ND	8.6284
49)	4-Ethyl Toluene	-0.43	ND	1.6357
50)	1,3,5-Trimethylbenzene		ND	1.6357
51)	1,2,4-Trimethylbenzene	0.46	ND	1.6357
52)	1,3-Dichlorobenzene		ND	2.0004
53)	1,4-Dichlorobenzene		ND	2.0004
54)	1,2-Dichlorobenzene		ND	2.0004
55)	1,2,4-Trichlorobenzene		ND	24.6916
56)	Hexachlorobutadiene		ND	7.0968
	MTBE		ND	6.00

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	325769	306182	OK	7.05	7.06	OK
1,4-Difluorobenzene	1387498	1356539	OK	8.69	8.71	OK
Chlorobenzene-d5	681205	645431	OK	13.99	13.99	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	46.29	92.6
Toluene-d8	50	47.38	94.8
4-Bromofluorobenzene	50	48.04	96.1

Comments:

Foot Notes:

1st Review: PK 2/5/99 2nd Review YDM 2/2/99

FEB 12'99 11:33 FR 714 258 0921 TO UHM-IRVINE P.09

OHM Remediation Services Corp
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

219500

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Thizar Tintut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: M9B100147	LABORATORY CONTACT: Maria Jones	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 858-8610	LABORATORY FAX:	RECIPIENT NAME: Duwayne Ishida
PROJECT CONTACT: Thizar Tintut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr., Ste. 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: Lynn Homecker, SW Div.	CITY, STATE AND ZIPCODE: Santa Ana CA		CITY, STATE AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' Bag first

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses: TO-14	Analyses: Hold-Conditional	Comments
1	18708-798	Vapor	2/10/99	1455	Ambient	2	III	24 hr		X	Analyze only if 18708-796 on COC #219499 has detection of TCE
2	18708-799	Vapor	2/10/99	1515	Ambient	3	III	24 hr	X		
3	18708-800	Vapor	2/10/99	1615	Ambient	3	III	24 hr	X		
4	18708-801	Vapor	2/10/99	1730	Ambient	3	III	24 hr	X		
5											
6											
7											
8											
9											
10											

Shirley 2/10/99

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
Linda Shirley		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Maria Shirley				

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1. 24SG127 - Ambient	X		X	X
2. 24SG127 - @ 50.5'	X		X	
3. 24SG127 - @ 69'	X		X	
4. 24SG127 @ 95'	X		X	

Comments

Soil Gas Sampling : SG127

Sample Type: G - Grab, C Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	B100147-1 OHM	**Data Analyzed:**	9 Feb 1999 15:28
Misc. Info:	500 ML 18708-798 TEDLAR	**Method:**	MSA0209
Data Name:	A2064.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	2.00
3)	Chloromethane	0.00	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene	-0.27	ND	2.00
10)	Carbon Disulfide	0.00	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	2.00
12)	Acetone	0.00	26.61	10.00
13)	Methylene Chloride	0.00	ND	2.00
14)	t-1,2-Dichloroethene	-0.34	ND	2.00
15)	1,1-Dichloroethane	0.27	ND	2.00
16)	Vinyl Acetate	0.20	ND ~~21.33~~ RT, MS,	10.00
17)	c-1,2-Dichloroethene	0.42	ND	2.00
18)	2-Butanone	-0.01	ND	10.00
19)	Chloroform	-0.04	ND	2.00
20)	1,1,1-Trichloroethane	0.06	ND	2.00
21)	Carbon Tetrachloride	-0.00	ND	2.00
23)	Benzene	0.02	ND	2.00
25)	1,2-Dichloroethane	0.12	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.09	ND ~~9.63~~ RT, MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.36	ND	2.00
30)	4-Methyl-2-Pentanone	-0.39	ND ~~10.49~~ RT, MS	10.00
32)	Toluene	-0.07	9.85	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.16	ND	2.00
36)	Tetrachloroethene	-0.01	2.09	2.00
37)	2-Hexanone	0.15	ND	30.00
38)	Dibromochloromethane	-0.24	ND	2.00
39)	1,2-Dibromoethane	-0.33	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.00	6.85	2.00
42)	p,&m-Xylene	0.02	26.18	2.00
43)	o-Xylene	0.06	9.46	2.00
44)	Styrene	0.05	ND	2.00
45)	Bromoform		ND	2.00

FEB 10'99 17:37 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	B100147-1 OHM	**Data Analyzed:**	02/ 9/19 -1:5:
Misc. Info:	500 ML 18708-798 TEDLAR	**Method:**	MSA0209
Data Name:	A2064.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.55	ND	2.00
48)	Benzyl Chloride	0.24	ND	10.00
49)	4-Ethyl Toluene	0.03	3.10	2.00
50)	1,3,5-Trimethylbenzene	0.12	ND	2.00
51)	1,2,4-Trimethylbenzene	0.20	3.70	2.00
52)	1,3-Dichlorobenzene	0.37	ND	2.00
53)	1,4-Dichlorobenzene	0.23	ND	2.00
54)	1,2-Dichlorobenzene	-0.16	ND	2.00
55)	1,2,4-Trichlorobenzene	0.30	ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		10	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	277587	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1501535	OK	9.23	9.22	OK
Chlorobenzene-d5	657299	733441	OK	14.68	14.51	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	61.16	122.3
Toluene-d8	50	48.39	96.8
4-Bromofluorobenzene	50	54.35	108.7

Comments:

Foot Notes:

1st Review: LR 2/10/99

2nd Review: PM 2/10/99

FEB 10'99 17:37 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	B100147 2 OHM	**Data Analyzed:**	9 Feb 1999 13:57
Misc. Info:	20 ML 18708-799 TEDLAR	**Method:**	MSA0209
Data Name:	A2061.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	50.00
3)	Chloromethane		ND	100.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	50.00
5)	Vinyl Chloride		ND	50.00
6)	Bromomethane		ND	50.00
7)	Chloroethane		ND	100.00
8)	Trichlorofluoromethane (11)		ND	50.00
9)	1,1-Dichloroethene	0.02	ND	50.00
10)	Carbon Disulfide	0.03	ND	250.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	7282.81	50.00
12)	Acetone	-0.10	ND ~~578.88~~ RT	250.00
13)	Methylene Chloride		ND	50.00
14)	t-1,2-Dichloroethene		ND	50.00
15)	1,1-Dichloroethane		ND	50.00
16)	Vinyl Acetate	-0.01	ND	250.00
17)	c-1,2-Dichloroethene		ND	50.00
18)	2-Butanone	0.32	ND	250.00
19)	Chloroform	0.01	ND	50.00
20)	1,1,1-Trichloroethane		ND	50.00
21)	Carbon Tetrachloride	-0.00	ND	50.00
23)	Benzene	0.00	ND	50.00
25)	1,2-Dichloroethane	0.12	ND	50.00
26)	Trichloroethene	0.01	896.39	50.00
27)	1,2-Dichloropropane		ND	50.00
28)	Bromodichloromethane		ND	50.00
29)	c-1,3-Dichloropropene		ND	50.00
30)	4-Methyl-2-Pentanone	-0.04	ND	250.00
32)	Toluene	-0.04	ND	~~50.00~~ 125
34)	t-1,3-Dichloropropene		ND	50.00
35)	1,1,2-Trichloroethane	0.40	ND	50.00
36)	Tetrachloroethene	-0.01	ND	50.00
37)	2-Hexanone	-0.17	ND	750.00
38)	Dibromochloromethane		ND	50.00
39)	1,2-Dibromoethane		ND	50.00
40)	Chlorobenzene		ND	50.00
41)	Ethylbenzene	0.03	ND	50.00
42)	p,&m-Xylene	0.01	ND	50.00
43)	o-Xylene	-0.03	ND	50.00
44)	Styrene		ND	50.00
45)	Bromoform		ND	50.00

FEB 10'99 17:38 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	-2 OHM	**Data Analyzed:**	02/ 9/19 -1:3:
Misc. Info:	20 ML 18708-799 TEDLAR	**Method:**	MSA0209
Data Name:	A2061.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.29	ND	50.00
48)	Benzyl Chloride	-0.29	ND	250.00
49)	4-Ethyl Toluene	-0.04	ND	50.00
50)	1,3,5-Trimethylbenzene	-0.05	ND	50.00
51)	1,2,4-Trimethylbenzene	-0.02	ND	50.00
52)	1,3-Dichlorobenzene		ND	50.00
53)	1,4-Dichlorobenzene		ND	50.00
54)	1,2-Dichlorobenzene		ND	50.00
55)	1,2,4-Trichlorobenzene		ND	500.00
56)	Hexachlorobutadiene		ND	100.00
	MTBE		ND	250

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	246738	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1284301	OK	9.23	9.27	OK
Chlorobenzene-d5	657299	620238	OK	14.68	14.71	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	49.34	98.7
Toluene-d8	50	49.13	98.3
4-Bromofluorobenzene	50	46.08	92.2

Comments:

Foot Notes:

1st Review: LR 2/10/99

2nd Review: PN 2/10/99

FEB 10'99 17:38 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	B100147 -3 OHM	**Data Analyzed:**	9 Feb 1999 14:28
Misc. Info:	20 ML 18708-800 TEDLAR	**Method:**	MSA0209
Data Name:	A2062.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.03	ND	50.00
3)	Chloromethane	-0.04	ND	100.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	50.00
5)	Vinyl Chloride		ND	50.00
6)	Bromomethane		ND	50.00
7)	Chloroethane		ND	100.00
8)	Trichlorofluoromethane (11)		ND	50.00
9)	1,1-Dichloroethene	-0.00	54.28 F	50.00
10)	Carbon Disulfide	-0.03	ND	250.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	7233.36	50.00
12)	Acetone	-0.10	ND ~~577.57~~ RT	250.00
13)	Methylene Chloride		ND	50.00
14)	t-1,2-Dichloroethene		ND	50.00
15)	1,1-Dichloroethane	0.03	ND	50.00
16)	Vinyl Acetate	0.09	ND	250.00
17)	c-1,2-Dichloroethene		ND	50.00
18)	2-Butanone	0.31	ND	250.00
19)	Chloroform	0.03	ND	50.00
20)	1,1,1-Trichloroethane		ND	50.00
21)	Carbon Tetrachloride	0.03	ND	50.00
23)	Benzene	-0.04	ND	50.00
25)	1,2-Dichloroethane	-0.24	ND	50.00
26)	Trichloroethene	-0.00	688.91	50.00
27)	1,2-Dichloropropane		ND	50.00
28)	Bromodichloromethane		ND	50.00
29)	c-1,3-Dichloropropene	0.48	ND	50.00
30)	4-Methyl-2-Pentanone	-0.38	ND	250.00
32)	Toluene	0.03	ND	~~50.00~~ 125
34)	t-1,3-Dichloropropene		ND	50.00
35)	1,1,2-Trichloroethane	-0.23	ND	50.00
36)	Tetrachloroethene	0.36	ND	50.00
37)	2-Hexanone		ND	750.00
38)	Dibromochloromethane		ND	50.00
39)	1,2-Dibromoethane	-0.28	ND	50.00
40)	Chlorobenzene		ND	50.00
41)	Ethylbenzene	-0.01	ND	50.00
42)	p,&m-Xylene	0.01	ND	50.00
43)	o-Xylene	-0.01	ND	50.00
44)	Styrene		ND	50.00
45)	Bromoform		ND	50.00

FEB 10'99 17:39 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	-3 OHM	**Data Analyzed:**	02/ 9/19 -1:4:
Misc. Info:	20 ML 18708-800 TEDLAR	**Method:**	MSA0209
Data Name:	A2062.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	50.00
48)	Benzyl Chloride		ND	250.00
49)	4-Ethyl Toluene	-0.04	ND	50.00
50)	1,3,5-Trimethylbenzene	0.01	ND	50.00
51)	1,2,4-Trimethylbenzene	-0.02	ND	50.00
52)	1,3-Dichlorobenzene		ND	50.00
53)	1,4-Dichlorobenzene		ND	50.00
54)	1,2-Dichlorobenzene		ND	50.00
55)	1,2,4-Trichlorobenzene		ND	500.00
56)	Hexachlorobutadiene		ND	100.00
	MTBE		ND	250

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	252265	OK	7.53	7.51	OK
1,4-Difluorobenzene	1322938	1358443	OK	9.23	9.24	OK
Chlorobenzene-d5	657299	621507	OK	14.68	14.69	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.66	97.3
Toluene-d8	50	47.21	94.4
4-Bromofluorobenzene	50	46.40	92.8

Comments:

Foot Notes: F

1st Review: LR 2/10/99

2nd Review: PN 2/10/99

FEB 10'99 17:39 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	B100147 -4 OHM	**Data Analyzed:**	9 Feb 1999 14:55
Misc. Info:	10 ML 18708-801 TEDLAR	**Method:**	MSA0209
Data Name:	A2063.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	100.00
3)	Chloromethane		ND	200.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	100.00
5)	Vinyl Chloride		ND	100.00
6)	Bromomethane		ND	100.00
7)	Chloroethane		ND	200.00
8)	Trichlorofluoromethane (11)		ND	100.00
9)	1,1-Dichloroethene	0.01	172.60 F	100.00
10)	Carbon Disulfide	0.07	ND	500.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	9594.99	100.00
12)	Acetone	-0.11	NP ~~757.05~~ RT	500.00
13)	Methylene Chloride		ND	100.00
14)	t-1,2-Dichloroethene		ND	100.00
15)	1,1-Dichloroethane		ND	100.00
16)	Vinyl Acetate	0.05	ND	500.00
17)	c-1,2-Dichloroethene		ND	100.00
18)	2-Butanone	0.31	ND	500.00
19)	Chloroform	0.03	ND	100.00
20)	1,1,1-Trichloroethane		ND	100.00
21)	Carbon Tetrachloride	-0.00	ND	100.00
23)	Benzene	-0.02	ND	100.00
25)	1,2-Dichloroethane	-0.25	ND	100.00
26)	Trichloroethene	-0.02	1116.98	100.00
27)	1,2-Dichloropropane		ND	100.00
28)	Bromodichloromethane		ND	100.00
29)	c-1,3-Dichloropropene	0.43	ND	100.00
30)	4-Methyl-2-Pentanone	-0.39	ND	500.00
32)	Toluene	-0.01	ND	~~100.00~~ 250
34)	t-1,3-Dichloropropene		ND	100.00
35)	1,1,2-Trichloroethane	0.49	ND	100.00
36)	Tetrachloroethene	0.03	ND	100.00
37)	2-Hexanone		ND	1500.00
38)	Dibromochloromethane		ND	100.00
39)	1,2-Dibromoethane		ND	100.00
40)	Chlorobenzene		ND	100.00
41)	Ethylbenzene	0.03	ND	100.00
42)	p,&m-Xylene	-0.02	ND	100.00
43)	o-Xylene	0.00	ND	100.00
44)	Styrene		ND	100.00
45)	Bromoform		ND	100.00

FEB 10 99 11:40 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	-4 OHM	Data Analyzed:	02/ 9/19 -1:4:
Misc. Info:	10 ML 18708-801 TEDLAR	Method:	MSA0209
Data Name:	A2063.D	Shift Call.File:	CC02091.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	50

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	100.00
48)	Benzyl Chloride		ND	500.00
49)	4-Ethyl Toluene	-0.07	ND	100.00
50)	1,3,5-Trimethylbenzene	0.06	ND	100.00
51)	1,2,4-Trimethylbenzene		ND	100.00
52)	1,3-Dichlorobenzene		ND	100.00
53)	1,4-Dichlorobenzene		ND	100.00
54)	1,2-Dichlorobenzene		ND	100.00
55)	1,2,4-Trichlorobenzene		ND	1000.00
56)	Hexachlorobutadiene		ND	200.00
	MTBE		ND	500

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	249527	OK	7.53	7.55	OK
1,4-Difluorobenzene	1322938	1398737	OK	9.23	9.26	OK
Chlorobenzene-d5	657299	623114	OK	14.68	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.55	95.1
Toluene-d8	50	47.19	94.4
4-Bromofluorobenzene	50	45.25	90.5

Comments:

Foot Notes: F

1st Review: LR 2/10/99

2nd Review: PNR 2/10/99

FEB 10'99 17:40 FR 714 258 0921 TO OHM-IRVINE P.15

Quanterra Air Toxics Lab

Sample Name:	B100147-1 OHM	**Data Analyzed:**	9 Feb 1999 15:28
Misc. Info:	500 ML 18708-798 TEDLAR	**Method:**	MSA0209
Data Name:	A2064.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.01	ND	0.0099
3)	Chloromethane	0.00	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.27	ND	0.0079
10)	Carbon Disulfide	0.00	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	0.0153
12)	Acetone	0.00	0.0631	0.0237
13)	Methylene Chloride	0.00	ND	0.0069
14)	t-1,2-Dichloroethene	-0.34	ND	0.0079
15)	1,1-Dichloroethane	0.27	ND	0.0081
16)	Vinyl Acetate	0.20	ND ~~0.0757~~	0.0351
17)	c-1,2-Dichloroethene	0.42	ND	0.0079
18)	2-Butanone	-0.01	ND	0.0294
19)	Chloroform	-0.04	ND	0.0097
20)	1,1,1-Trichloroethane	0.06	ND	0.0109
21)	Carbon Tetrachloride	-0.00	ND	0.0126
23)	Benzene	0.02	ND	0.0064
25)	1,2-Dichloroethane	0.12	ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane	-0.09	ND ~~0.0444~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.36	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.39	ND ~~0.0429~~	0.0409
32)	Toluene	-0.07	0.0370	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.16	ND	0.0109
36)	Tetrachloroethene	-0.01	0.0142	0.0135
37)	2-Hexanone	0.15	ND	0.1226
38)	Dibromochloromethane	-0.24	ND	0.0170
39)	1,2-Dibromoethane	-0.33	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.00	0.0297	0.0087
42)	p,&m-Xylene	0.02	0.1134	0.0087
43)	o-Xylene	0.06	0.0410	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 10'99 17:37 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	B100147-1 OHM	**Data Analyzed:**	02/ 9/19 -1:5:
Misc. Info:	500 ML 18708-798 TEDLAR	**Method:**	MSA0209
Data Name:	A2064.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.55	ND	0.0137
48)	Benzyl Chloride	0.24	ND	0.0518
49)	4-Ethyl Toluene	0.03	0.0152	0.0098
50)	1,3,5-Trimethylbenzene	0.12	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.20	0.0182	0.0098
52)	1,3-Dichlorobenzene	0.37	ND	0.0120
53)	1,4-Dichlorobenzene	0.23	ND	0.0120
54)	1,2-Dichlorobenzene	-0.16	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.30	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		0.036	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	277587	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1501535	OK	9.23	9.22	OK
Chlorobenzene-d5	657299	733441	OK	14.68	14.51	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	61.16	122.3
Toluene-d8	50	48.39	96.8
4-Bromofluorobenzene	50	54.35	108.7

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review PM 2/10/99

FEB 10'99 17:37 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	Blank472 OHM	Data Analyzed:	9 Feb 1999 13:57
Misc. Info:	20 ML 18708-799 TEDLAR	Method:	MSA0209
Data Name:	a2061.d	Shift Cali.File:	CC02091.D
Data Path:	d:\gcmsa~1\990208\	Dilution Factor:	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.01	ND	0.2468
3)	Chloromethane		ND	0.2061
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.3488
5)	Vinyl Chloride		ND	0.1276
6)	Bromomethane		ND	0.1938
7)	Chloroethane		ND	0.2633
8)	Trichlorofluoromethane (11)		ND	0.2804
9)	1,1-Dichloroethene	0.02	ND	0.1979
10)	Carbon Disulfide	0.03	ND	0.7770
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	55.6989	0.3824
12)	Acetone	-0.10	ND ~~1.3725~~ RT.	0.5928
13)	Methylene Chloride		ND	0.1734
14)	t-1,2-Dichloroethene		ND	0.1979
15)	1,1-Dichloroethane		ND	0.2020
16)	Vinyl Acetate	-0.01	ND	0.8785
17)	c-1,2-Dichloroethene		ND	0.1979
18)	2-Butanone	0.32	ND	0.7358
19)	Chloroform	0.01	ND	0.2437
20)	1,1,1-Trichloroethane		ND	0.2723
21)	Carbon Tetrachloride	-0.00	ND	0.3139
23)	Benzene	0.00	ND	0.1594
25)	1,2-Dichloroethane	0.12	ND	0.2020
26)	Trichloroethene	0.01	4.8074	0.2682
27)	1,2-Dichloropropane		ND	0.2306
28)	Bromodichloromethane		ND	0.3344
29)	c-1,3-Dichloropropene		ND	0.2265
30)	4-Methyl-2-Pentanone	-0.04	ND	1.0220
32)	Toluene	-0.04	ND	~~0.1881~~ 0.475
34)	t-1,3-Dichloropropene		ND	0.2265
35)	1,1,2-Trichloroethane	0.40	ND	0.2723
36)	Tetrachloroethene	-0.01	ND	0.3385
37)	2-Hexanone	-0.17	ND	3.0660
38)	Dibromochloromethane		ND	0.4251
39)	1,2-Dibromoethane		ND	0.3834
40)	Chlorobenzene		ND	0.2297
41)	Ethylbenzene	0.03	ND	0.2167
42)	p,&m-Xylene	0.01	ND	0.2167
43)	o-Xylene	-0.03	ND	0.2167
44)	Styrene		ND	0.2126
45)	Bromoform		ND	0.5158

Sample Name:	-2 OHM	**Data Analyzed:**	02/ 9/19 -1:3:
Misc. Info:	20 ML 18708-799 TEDLAR	**Method:**	MSA0209
Data Name:	a2061.d	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsa~1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.29	ND	0.3426
48)	Benzyl Chloride	-0.29	ND	1.2940
49)	4-Ethyl Toluene	-0.04	ND	0.2453
50)	1,3,5-Trimethylbenzene	-0.05	ND	0.2453
51)	1,2,4-Trimethylbenzene	-0.02	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene		ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene		ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.90

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	246738	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1284301	OK	9.23	9.27	OK
Chlorobenzene-d5	657299	620238	OK	14.68	14.71	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	49.34	98.7
Toluene-d8	50	49.13	98.3
4-Bromofluorobenzene	50	46.08	92.2

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review PM 2/10/99

FEB 10 99 11:36 FR (14 256 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	5(ss47)-3 OHM	**Data Analyzed:**	9 Feb 1999 14:28
Misc. Info:	20 ML 18708-800 TEDLAR	**Method:**	MSA0209
Data Name:	a2062.d	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsa–1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.03	ND	0.2468
3)	Chloromethane	-0.04	ND	0.2061
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.3488
5)	Vinyl Chloride		ND	0.1276
6)	Bromomethane		ND	0.1938
7)	Chloroethane		ND	0.2633
8)	Trichlorofluoromethane (11)		ND	0.2804
9)	1,1-Dichloroethene	-0.00	0.2148 F	0.1979
10)	Carbon Disulfide	-0.03	ND	0.7770
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	55.3207	0.3824
12)	Acetone	-0.10	ND ~~1.3694~~ RT.	0.5928
13)	Methylene Chloride		ND	0.1734
14)	t-1,2-Dichloroethene		ND	0.1979
15)	1,1-Dichloroethane	0.03	ND	0.2020
16)	Vinyl Acetate	0.09	ND	0.8785
17)	c-1,2-Dichloroethene		ND	0.1979
18)	2-Butanone	0.31	ND	0.7358
19)	Chloroform	0.03	ND	0.2437
20)	1,1,1-Trichloroethane		ND	0.2723
21)	Carbon Tetrachloride	0.03	ND	0.3139
23)	Benzene	-0.04	ND	0.1594
25)	1,2-Dichloroethane	-0.24	ND	0.2020
26)	Trichloroethene	-0.00	3.6946	0.2682
27)	1,2-Dichloropropane		ND	0.2306
28)	Bromodichloromethane		ND	0.3344
29)	c-1,3-Dichloropropene	0.48	ND	0.2265
30)	4-Methyl-2-Pentanone	-0.38	ND	1.0220
32)	Toluene	0.03	ND	~~0.1861~~ 0.475
34)	t-1,3-Dichloropropene		ND	0.2265
35)	1,1,2-Trichloroethane	-0.23	ND	0.2723
36)	Tetrachloroethene	0.36	ND	0.3385
37)	2-Hexanone		ND	3.0660
38)	Dibromochloromethane		ND	0.4251
39)	1,2-Dibromoethane	-0.28	ND	0.3834
40)	Chlorobenzene		ND	0.2297
41)	Ethylbenzene	-0.01	ND	0.2167
42)	p,&m-Xylene	0.01	ND	0.2167
43)	o-Xylene	-0.01	ND	0.2167
44)	Styrene		ND	0.2126
45)	Bromoform		ND	0.5158

Sample Name:	-3 OHM	Data Analyzed:	02/ 9/19 -1:4:
Misc. Info:	20 ML 18708-800 TEDLAR	Method:	MSA0209
Data Name:	a2062.d	Shift Cali.File:	CC02091.D
Data Path:	d:\gcmsa~1\990208\	Dilution Factor:	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.3426
48)	Benzyl Chloride		ND	1.2940
49)	4-Ethyl Toluene	-0.04	ND	0.2453
50)	1,3,5-Trimethylbenzene	0.01	ND	0.2453
51)	1,2,4-Trimethylbenzene	-0.02	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene		ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene		ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.90

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	252265	OK	7.53	7.51	OK
1,4-Difluorobenzene	1322938	1358443	OK	9.23	9.24	OK
Chlorobenzene-d5	657299	621507	OK	14.68	14.69	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.66	97.3
Toluene-d8	50	47.21	94.4
4-Bromofluorobenzene	50	46.40	92.8

Comments:

Foot Notes: F

1st Review: LR 2/10/99 2nd Review PN 2/10/99

Quanterra Air Toxics Lab

Sample Name:	810014-4 OHM	**Data Analyzed:**	9 Feb 1999 14:55
Misc. Info:	10 ML 18708-801 TEDLAR	**Method:**	MSA0209
Data Name:	a2063.d	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsa~1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.01	ND	0.4935
3)	Chloromethane		ND	0.4122
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.6976
5)	Vinyl Chloride		ND	0.2551
6)	Bromomethane		ND	0.3875
7)	Chloroethane		ND	0.5266
8)	Trichlorofluoromethane (11)		ND	0.5607
9)	1,1-Dichloroethene	0.01	0.6830 F	0.3957
10)	Carbon Disulfide	0.07	ND	1.5540
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	73.3825	0.7648
12)	Acetone	-0.11	ND ~~1.7971~~ RT.	1.1855
13)	Methylene Chloride		ND	0.3467
14)	t-1,2-Dichloroethene		ND	0.3957
15)	1,1-Dichloroethane		ND	0.4039
16)	Vinyl Acetate	0.05	ND	1.7570
17)	c-1,2-Dichloroethene		ND	0.3957
18)	2-Butanone	0.31	ND	1.4715
19)	Chloroform	0.03	ND	0.4873
20)	1,1,1-Trichloroethane		ND	0.5445
21)	Carbon Tetrachloride	-0.00	ND	0.6278
23)	Benzene	-0.02	ND	0.3188
25)	1,2-Dichloroethane	-0.25	ND	0.4039
26)	Trichloroethene	-0.02	5.9904	0.5363
27)	1,2-Dichloropropane		ND	0.4612
28)	Bromodichloromethane		ND	0.6687
29)	c-1,3-Dichloropropene	0.43	ND	0.4529
30)	4-Methyl-2-Pentanone	-0.39	ND	2.0440
32)	Toluene	-0.01	ND	~~0.3781~~ 0.95
34)	t-1,3-Dichloropropene		ND	0.4529
35)	1,1,2-Trichloroethane	0.49	ND	0.5445
36)	Tetrachloroethene	0.03	ND	0.6769
37)	2-Hexanone		ND	6.1320
38)	Dibromochloromethane		ND	0.8502
39)	1,2-Dibromoethane		ND	0.7668
40)	Chlorobenzene		ND	0.4594
41)	Ethylbenzene	0.03	ND	0.4333
42)	p,&m-Xylene	-0.02	ND	0.4333
43)	o-Xylene	0.00	ND	0.4333
44)	Styrene		ND	0.4251
45)	Bromoform		ND	1.0316

Sample Name:	-4 OHM	**Data Analyzed:**	02/ 9/19 -1:4:
Misc. Info:	10 ML 18708-801 TEDLAR	**Method:**	MSA0209
Data Name:	a2063.d	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsa-1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.6851
48)	Benzyl Chloride		ND	2.5880
49)	4-Ethyl Toluene	-0.07	ND	0.4906
50)	1,3,5-Trimethylbenzene	0.06	ND	0.4906
51)	1,2,4-Trimethylbenzene		ND	0.4906
52)	1,3-Dichlorobenzene		ND	0.6000
53)	1,4-Dichlorobenzene		ND	0.6000
54)	1,2-Dichlorobenzene		ND	0.6000
55)	1,2,4-Trichlorobenzene		ND	7.4060
56)	Hexachlorobutadiene		ND	2.1286
	MTBE		ND	1.8

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	249527	OK	7.53	7.55	OK
1,4-Difluorobenzene	1322938	1398737	OK	9.23	9.26	OK
Chlorobenzene-d5	657299	623114	OK	14.68	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.55	95.1
Toluene-d8	50	47.19	94.4
4-Bromofluorobenzene	50	45.25	90.5

Comments:

Foot Notes: F

1st Review: LR 2/10/99 2nd Review PN 2/10/99

FEB 10'99 17:40 FR 714 258 0921 TO OHM-IRVINE P.17

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
222401
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Thizar Tinhut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: M9B100161	LABORATORY CONTACT: Maria Jones	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 858-8610	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ichida
PROJECT CONTACT: Thizar Tinhut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr., Ste. 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: Lynn Hornecker, SW Div.	CITY, STATE AND ZIPCODE: Santa Ana CA		CITY, STATE, AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14								Comments
1	18708-810	Vapor	2/9/99	1155	Ambient	2	III	24 hr	X								
2	18708-811	Vapor	2/9/99	1215	Ambient	3	III	24 hr	X								
3	18708-812	Vapor	2/9/99	1330	Ambient	3	III	24 hr	X								
4	18708-813	Vapor	2/9/99	1140	Ambient	3	III	24 hr	X								
5	18708-814	Vapor	2/9/99	1145	Ambient	2	IV	24 hr	X								
6																	
7																	
8																	
9																	
10																	

Finley 2/9/99

SAMPLES COLLECTED BY: Linda Finley
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Linda Finley	[illegible]	2/10/99	1600	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. 245G92 - Amb (020999A)	X		X	X
2. 245G92 - @ 47' ("A" Tubing)	X		X	
3. 245G92 - @ 71' ("A" Tubing)	X		X	
4. 245G92 - @ 93.5'	X		X	
5. 245G92 - @ 93.5' (Duplicate)	X		X	X

Comments
SG92 @ Site 24

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	B100161-1 OHM	**Data Analyzed:**	9 Feb 1999 18:47
Misc. Info:	500 ML 18708-810 TEDLAR	**Method:**	MSA0209
Data Name:	A2069.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	2.00
3)	Chloromethane	-0.03	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.02	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.03	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	2.00
12)	Acetone	0.01	15.85	10.00
13)	Methylene Chloride	0.03	ND	2.00
14)	t-1,2-Dichloroethene	0.01	ND	2.00
15)	1,1-Dichloroethane	0.04	ND	2.00
16)	Vinyl Acetate	0.22	ND	10.00
17)	c-1,2-Dichloroethene	0.48	ND	2.00
18)	2-Butanone	-0.02	ND	10.00
19)	Chloroform	-0.04	ND	2.00
20)	1,1,1-Trichloroethane	0.01	ND	2.00
21)	Carbon Tetrachloride	0.01	ND	2.00
23)	Benzene	0.03	ND	2.00
25)	1,2-Dichloroethane	0.01	ND	2.00
26)	Trichloroethene	-0.01	ND	2.00
27)	1,2-Dichloropropane	-0.11	ND ~~4.99~~	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.16	ND	2.00
30)	4-Methyl-2-Pentanone	-0.38	ND	10.00
32)	Toluene	-0.08	6.57	~~2.00~~ 5
34)	t-1,3-Dichloropropene	-0.24	ND	2.00
35)	1,1,2-Trichloroethane	0.32	ND	2.00
36)	Tetrachloroethene	-0.05	ND	2.00
37)	2-Hexanone	0.08	ND	30.00
38)	Dibromochloromethane	-0.20	ND	2.00
39)	1,2-Dibromoethane	-0.21	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	5.73	2.00
42)	p,&m-Xylene	0.03	22.23	2.00
43)	o-Xylene	0.06	8.39	2.00
44)	Styrene	0.04	~~ND~~	2.00
45)	Bromoform		ND	2.00

FEB 10'99 17:27 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	B100161-1 OHM	**Data Analyzed:**	02/ 9/19 -1:8:
Misc. Info:	500 ML 18708-810 TEDLAR	**Method:**	MSA0209
Data Name:	A2069.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.32	ND	2.00
48)	Benzyl Chloride	0.26	ND	10.00
49)	4-Ethyl Toluene	0.10	3.99	2.00
50)	1,3,5-Trimethylbenzene	0.12	ND	2.00
51)	1,2,4-Trimethylbenzene	0.17	5.34	2.00
52)	1,3-Dichlorobenzene	0.16	ND	2.00
53)	1,4-Dichlorobenzene	0.19	ND	2.00
54)	1,2-Dichlorobenzene	-0.20	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	271711	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1454511	OK	9.23	9.22	OK
Chlorobenzene-d5	657299	665874	OK	14.68	14.52	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.87	103.7
Toluene-d8	50	47.85	95.7
4-Bromofluorobenzene	50	56.83	113.7

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review:

FEB 10'99 17:27 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	Blo0lbi 2 OHM	**Data Analyzed:**	9 Feb 1999 19:15
Misc. Info:	75 ML 18708-811 TEDLAR	**Method:**	MSA0209
Data Name:	A2070.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	6.667

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	13.33
3)	Chloromethane	0.14	ND	26.67
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.33	ND	13.33
5)	Vinyl Chloride		ND	13.33
6)	Bromomethane		ND	13.33
7)	Chloroethane		ND	26.67
8)	Trichlorofluoromethane (11)		ND	13.33
9)	1,1-Dichloroethene	-0.01	45.29 F	13.33
10)	Carbon Disulfide	0.05	ND	66.67
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	1837.94	13.33
12)	Acetone	-0.08	~~193.49~~ NP RT	66.67
13)	Methylene Chloride		ND	13.33
14)	t-1,2-Dichloroethene		ND	13.33
15)	1,1-Dichloroethane	-0.49	ND	13.33
16)	Vinyl Acetate	-0.06	ND	66.67
17)	c-1,2-Dichloroethene	0.45	ND	13.33
18)	2-Butanone	0.02	ND	66.67
19)	Chloroform	0.01	ND	13.33
20)	1,1,1-Trichloroethane	-0.02	ND	13.33
21)	Carbon Tetrachloride	0.00	13.60	13.33
23)	Benzene	-0.01	ND	13.33
25)	1,2-Dichloroethane	-0.21	ND	13.33
26)	Trichloroethene	0.01	188.68	13.33
27)	1,2-Dichloropropane		ND	13.33
28)	Bromodichloromethane		ND	13.33
29)	c-1,3-Dichloropropene	-0.46	ND	13.33
30)	4-Methyl-2-Pentanone	0.34	ND	66.67
32)	Toluene	-0.02	ND	~~13.33~~ 33.3
34)	t-1,3-Dichloropropene		ND	13.33
35)	1,1,2-Trichloroethane	-0.20	ND	13.33
36)	Tetrachloroethene	0.01	ND	13.33
37)	2-Hexanone	-0.15	ND	200.01
38)	Dibromochloromethane	-0.15	ND	13.33
39)	1,2-Dibromoethane	-0.21	ND	13.33
40)	Chlorobenzene		ND	13.33
41)	Ethylbenzene	-0.02	ND	13.33
42)	p,&m-Xylene	-0.01	16.73	13.33
43)	o-Xylene	-0.04	ND	13.33
44)	Styrene	-0.03	ND	13.33
45)	Bromoform		ND	13.33

FEB 10'99 17:28 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	-2 OHM	**Data Analyzed:**	02/ 9/19 -1:9:
Misc. Info:	75 ML 18708-811 TEDLAR	**Method:**	MSA0209
Data Name:	A2070.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	6.667

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.25	ND	13.33
48)	Benzyl Chloride	-0.01	ND	66.67
49)	4-Ethyl Toluene	0.05	ND	13.33
50)	1,3,5-Trimethylbenzene	0.06	ND	13.33
51)	1,2,4-Trimethylbenzene	0.05	ND	13.33
52)	1,3-Dichlorobenzene		ND	13.33
53)	1,4-Dichlorobenzene	-0.12	ND	13.33
54)	1,2-Dichlorobenzene		ND	13.33
55)	1,2,4-Trichlorobenzene		ND	133.34
56)	Hexachlorobutadiene		ND	26.67
	MTBE		ND	66.67

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	268577	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1384196	OK	9.23	9.23	OK
Chlorobenzene-d5	657299	679254	OK	14.68	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.75	95.5
Toluene-d8	50	48.42	96.8
4-Bromofluorobenzene	50	45.90	91.8

Comments:

Foot Notes:

1st Review: LR 2/10/99

2nd Review:

Quanterra Air Toxics Lab

Sample Name:	B160161 -3 OHM	**Data Analyzed:**	9 Feb 1999 19:42
Misc. Info:	500 ML 18708-812 TEDLAR	**Method:**	MSA0209
Data Name:	A2071.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	2.00
3)	Chloromethane	-0.01	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	-0.01	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	2.00
12)	Acetone	0.03	13.24	10.00
13)	Methylene Chloride	0.01	4.44	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	-0.01	ND	2.00
16)	Vinyl Acetate	0.19	ND ~~11.20~~ RT	10.00
17)	c-1,2-Dichloroethene	0.44	ND	2.00
18)	2-Butanone	0.29	ND ~~12.77~~ RT	10.00
19)	Chloroform	-0.06	ND	2.00
20)	1,1,1-Trichloroethane	0.01	ND	2.00
21)	Carbon Tetrachloride	0.03	ND	2.00
23)	Benzene	0.01	ND	2.00
25)	1,2-Dichloroethane	0.15	ND	2.00
26)	Trichloroethene	0.00	3.32	2.00
27)	1,2-Dichloropropane	-0.13	ND ~~6.45~~ RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.32	ND	2.00
30)	4-Methyl-2-Pentanone	-0.38	ND	10.00
32)	Toluene	-0.07	ND ~~4.56~~ <RL.	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.27	ND	2.00
36)	Tetrachloroethene	-0.01	ND	2.00
37)	2-Hexanone	0.04	ND	30.00
38)	Dibromochloromethane	-0.19	ND	2.00
39)	1,2-Dibromoethane	-0.32	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	2.53	2.00
42)	p,&m-Xylene	0.02	8.69	2.00
43)	o-Xylene	0.05	3.34	2.00
44)	Styrene	0.02	ND	2.00
45)	Bromoform		ND	2.00

FEB 10'99 17:29 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	-3 OHM	**Data Analyzed:**	02/ 9/19 -1:9:
Misc. Info:	500 ML 18708-812 TEDLAR	**Method:**	MSA0209
Data Name:	A2071.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.05	ND	2.00
48)	Benzyl Chloride	0.16	ND	10.00
49)	4-Ethyl Toluene	0.27	ND	2.00
50)	1,3,5-Trimethylbenzene	0.10	ND	2.00
51)	1,2,4-Trimethylbenzene	0.12	ND	2.00
52)	1,3-Dichlorobenzene	0.32	ND	2.00
53)	1,4-Dichlorobenzene	0.18	ND	2.00
54)	1,2-Dichlorobenzene	-0.21	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	272084	OK	7.53	7.54	OK
1,4-Difluorobenzene	1322938	1443130	OK	9.23	9.22	OK
Chlorobenzene-d5	657299	659535	OK	14.68	14.55	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.14	106.3
Toluene-d8	50	47.15	94.3
4-Bromofluorobenzene	50	51.43	102.9

Comments:

Foot Notes:

1st Review: LR 2/10/99

2nd Review:

FEB 10'99 17:29 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	B10016 -4 OHM	**Data Analyzed:**	9 Feb 1999 18:48
Misc. Info:	20 ML 18708-813 TEDLAR	**Method:**	MSB0209
Data Name:	B1098.D	**Shift Call.File:**	CC02091.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	25

Compound	dRT	Result(ppbv)	RL(ppbv)
2) Dichlorodifluoromethane (12)	-0.12	ND	50.00
3) Chloromethane	0.01	ND	100.00
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	50.00
5) Vinyl Chloride		ND	50.00
6) Bromomethane		ND	50.00
7) Chloroethane		ND	100.00
8) Trichlorofluoromethane (11)		ND	50.00
9) 1,1-Dichloroethene	-0.01	193.28 F	50.00
10) Carbon Disulfide	0.00	ND	250.00
11) 1,1,2-Cl 1,2,2-F ethane (113)	-0.02	4638.85	50.00
12) Acetone	-0.04 (291)	ND ~~206.82~~ RT	250.00
13) Methylene Chloride	(12)	ND	50.00
14) t-1,2-Dichloroethene	2/10/99	ND	50.00
15) 1,1-Dichloroethane	0.09	ND	50.00
16) Vinyl Acetate	0.23	ND	250.00
17) c-1,2-Dichloroethene	-0.04	ND	50.00
18) 2-Butanone	0.07	ND	250.00
19) Chloroform	-0.01	ND	50.00
20) 1,1,1-Trichloroethane	0.44	ND	50.00
21) Carbon Tetrachloride	0.04	52.02	50.00
23) Benzene	-0.25	ND	50.00
25) 1,2-Dichloroethane	0.11	ND	50.00
26) Trichloroethene	0.02	317.30	50.00
27) 1,2-Dichloropropane		ND	50.00
28) Bromodichloromethane		ND	50.00
29) c-1,3-Dichloropropene	-0.29	ND	50.00
30) 4-Methyl-2-Pentanone	-0.45	ND	250.00
32) Toluene	-0.01	ND	~~50.00~~ 125
34) t-1,3-Dichloropropene	0.26	ND	50.00
35) 1,1,2-Trichloroethane		ND	50.00
36) Tetrachloroethene		ND	50.00
37) 2-Hexanone		ND	750.00
38) Dibromochloromethane		ND	50.00
39) 1,2-Dibromoethane		ND	50.00
40) Chlorobenzene		ND	50.00
41) Ethylbenzene	-0.02	ND	50.00
42) p,&m-Xylene	0.00	ND	50.00
43) o-Xylene	0.02	ND	50.00
44) Styrene		ND	50.00
45) Bromoform		ND	50.00

FEB 10'99 17:30 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	-4 OHM	**Data Analyzed:**	02/ 9/19 -1:8:
Misc. Info:	20 ML 18708-813 TEDLAR	**Method:**	MSB0209
Data Name:	B1098.D	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	50.00
48)	Benzyl Chloride	0.14	ND	250.00
49)	4-Ethyl Toluene	-0.03	ND	50.00
50)	1,3,5-Trimethylbenzene	-0.01	ND	50.00
51)	1,2,4-Trimethylbenzene	0.01	ND	50.00
52)	1,3-Dichlorobenzene		ND	50.00
53)	1,4-Dichlorobenzene		ND	50.00
54)	1,2-Dichlorobenzene		ND	50.00
55)	1,2,4-Trichlorobenzene		ND	500.00
56)	Hexachlorobutadiene		ND	100.00
	MTBE		ND	250

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	335451	331300	OK	7.06	7.05	OK
1,4-Difluorobenzene	1369258	1355032	OK	8.70	8.70	OK
Chlorobenzene-d5	657730	687587	OK	13.98	13.97	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.25	94.5
Toluene-d8	50	51.61	103.2
4-Bromofluorobenzene	50	47.13	94.3

Comments:

Foot Notes:

1st Review: LR 2/10/99

2nd Review:

FEB 10'99 17:30 FR 714 258 0921 TO OHM-IRVINE P.15

Quanterra Air Toxics Lab

Sample Name:	B100161 -5 OHM	**Data Analyzed:**	9 Feb 1999 19:16
Misc. Info:	20 ML 18708-814 TEDLAR	**Method:**	MSB0209
Data Name:	B1099.D	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.13	ND	50.00
3)	Chloromethane		ND	100.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	50.00
5)	Vinyl Chloride		ND	50.00
6)	Bromomethane		ND	50.00
7)	Chloroethane		ND	100.00
8)	Trichlorofluoromethane (11)		ND	50.00
9)	1,1-Dichloroethene	-0.02	198.89	50.00
10)	Carbon Disulfide	-0.05	ND	250.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	5050.30	50.00
12)	Acetone	-0.05	267.67	250.00
13)	Methylene Chloride		ND	50.00
14)	t-1,2-Dichloroethene		ND	50.00
15)	1,1-Dichloroethane		ND	50.00
16)	Vinyl Acetate	-0.17	ND	250.00
17)	c-1,2-Dichloroethene	-0.02	ND	50.00
18)	2-Butanone	0.33	ND	250.00
19)	Chloroform	-0.02	ND	50.00
20)	1,1,1-Trichloroethane		ND	50.00
21)	Carbon Tetrachloride	0.02	92.92	50.00
23)	Benzene	0.01	ND	50.00
25)	1,2-Dichloroethane		ND	50.00
26)	Trichloroethene	0.02	1684.83	50.00
27)	1,2-Dichloropropane		ND	50.00
28)	Bromodichloromethane		ND	50.00
29)	c-1,3-Dichloropropene	-0.28	ND	50.00
30)	4-Methyl-2-Pentanone	-0.48	ND	250.00
32)	Toluene	0.01	ND	~~50.00~~ 125
34)	t-1,3-Dichloropropene		ND	50.00
35)	1,1,2-Trichloroethane		ND	50.00
36)	Tetrachloroethene	-0.04	ND	50.00
37)	2-Hexanone	-0.04	ND	750.00
38)	Dibromochloromethane		ND	50.00
39)	1,2-Dibromoethane	-0.20	ND	50.00
40)	Chlorobenzene		ND	50.00
41)	Ethylbenzene	-0.03	ND	50.00
42)	p,&m-Xylene	-0.04	ND	50.00
43)	o-Xylene	-0.03	ND	50.00
44)	Styrene		ND	50.00
45)	Bromoform		ND	50.00

FEB 10'99 17:31 FR 714 258 0921 TO OHM-IRVINE P.18

Sample Name:	-5 OHM	**Data Analyzed:**	02/ 9/19 -1:9:
Misc. Info:	20 ML 18708-814 TEDLAR	**Method:**	MSB0209
Data Name:	B1099.D	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	50.00
48)	Benzyl Chloride	-0.12	ND	250.00
49)	4-Ethyl Toluene	0.04	ND	50.00
50)	1,3,5-Trimethylbenzene	-0.02	ND	50.00
51)	1,2,4-Trimethylbenzene	-0.07	ND	50.00
52)	1,3-Dichlorobenzene		ND	50.00
53)	1,4-Dichlorobenzene		ND	50.00
54)	1,2-Dichlorobenzene		ND	50.00
55)	1,2,4-Trichlorobenzene		ND	500.00
56)	Hexachlorobutadiene		ND	100.00
	MTBE		ND	250

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	335451	338629	OK	7.06	7.05	OK
1,4-Difluorobenzene	1369258	1436541	OK	8.70	8.70	OK
Chlorobenzene-d5	657730	723855	OK	13.98	13.98	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.53	91.1
Toluene-d8	50	51.75	103.5
4-Bromofluorobenzene	50	46.36	92.7

Comments:

Foot Notes:

1st Review: LR 2/10/99

2nd Review:

FEB 10'99 17:31 FR 714 258 0921 TO OHM-IRVINE P.19

Quanterra Air Toxics Lab

Sample Name:	B100161-1 OHM	**Data Analyzed:**	9 Feb 1999 18:47
Misc. Info:	500 ML 18708-810 TEDLAR	**Method:**	MSA0209
Data Name:	A2069.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.01	ND	0.0099
3)	Chloromethane	-0.03	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.02	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.03	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	0.0153
12)	Acetone	0.01	0.0376	0.0237
13)	Methylene Chloride	0.03	ND	0.0069
14)	t-1,2-Dichloroethene	0.01	ND	0.0079
15)	1,1-Dichloroethane	0.04	ND	0.0081
16)	Vinyl Acetate	0.22	ND	0.0351
17)	c-1,2-Dichloroethene	0.48	ND	0.0079
18)	2-Butanone	-0.02	ND	0.0294
19)	Chloroform	-0.04	ND	0.0097
20)	1,1,1-Trichloroethane	0.01	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.03	ND	0.0064
25)	1,2-Dichloroethane	0.01	ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane	-0.11	ND ~~0.0230~~ RT	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.16	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.38	ND	0.0409
32)	Toluene	-0.08	0.0247	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	-0.24	ND	0.0091
35)	1,1,2-Trichloroethane	0.32	ND	0.0109
36)	Tetrachloroethene	-0.05	ND	0.0135
37)	2-Hexanone	0.08	ND	0.1226
38)	Dibromochloromethane	-0.20	ND	0.0170
39)	1,2-Dibromoethane	-0.21	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	0.0248	0.0087
42)	p,&m-Xylene	0.03	0.0963	0.0087
43)	o-Xylene	0.06	0.0364	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 10'99 17:27 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	B100161-1 OHM	**Data Analyzed:**	02/ 9/19 -1:8:
Misc. Info:	500 ML 18708-810 TEDLAR	**Method:**	MSA0209
Data Name:	A2069.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.32	ND	0.0137
48)	Benzyl Chloride	0.26	ND	0.0518
49)	4-Ethyl Toluene	0.10	0.0196	0.0098
50)	1,3,5-Trimethylbenzene	0.12	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.17	0.0262	0.0098
52)	1,3-Dichlorobenzene	0.16	ND	0.0120
53)	1,4-Dichlorobenzene	0.19	ND	0.0120
54)	1,2-Dichlorobenzene	-0.20	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	271711	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1454511	OK	9.23	9.22	OK
Chlorobenzene-d5	657299	665874	OK	14.68	14.52	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.87	103.7
Toluene-d8	50	47.85	95.7
4-Bromofluorobenzene	50	56.83	113.7

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review

FEB 10'99 17:28 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	Blool61-2 OHM	Data Analyzed:	9 Feb 1999 19:15
Misc. Info:	75 ML 18708-811 TEDLAR	Method:	MSA0209
Data Name:	A2070.D	Shift Cali.File:	CC02091.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	6.667

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.01	ND	0.0658
3)	Chloromethane	0.14	ND	0.0550
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.33	ND	0.0930
5)	Vinyl Chloride		ND	0.0340
6)	Bromomethane		ND	0.0517
7)	Chloroethane		ND	0.0702
8)	Trichlorofluoromethane (11)		ND	0.0748
9)	1,1-Dichloroethene	-0.01	0.1792 F	0.0528
10)	Carbon Disulfide	0.05	ND	0.2072
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	14.0565	0.1020
12)	Acetone	-0.08	ND ~~0.4588~~ RT.	0.1581
13)	Methylene Chloride		ND	0.0462
14)	t-1,2-Dichloroethene		ND	0.0528
15)	1,1-Dichloroethane	-0.49	ND	0.0539
16)	Vinyl Acetate	-0.06	ND	0.2343
17)	c-1,2-Dichloroethene	0.45	ND	0.0528
18)	2-Butanone	0.02	ND	0.1962
19)	Chloroform	0.01	ND	0.0650
20)	1,1,1-Trichloroethane	-0.02	ND	0.0726
21)	Carbon Tetrachloride	0.00	0.0854	0.0837
23)	Benzene	-0.01	ND	0.0425
25)	1,2-Dichloroethane	-0.21	ND	0.0539
26)	Trichloroethene	0.01	1.0119	0.0715
27)	1,2-Dichloropropane		ND	0.0615
28)	Bromodichloromethane		ND	0.0892
29)	c-1,3-Dichloropropene	-0.46	ND	0.0604
30)	4-Methyl-2-Pentanone	0.34	ND	0.2725
32)	Toluene	-0.02	ND	~~0.0501~~ 0.127
34)	t-1,3-Dichloropropene		ND	0.0604
35)	1,1,2-Trichloroethane	-0.20	ND	0.0726
36)	Tetrachloroethene	0.01	ND	0.0903
37)	2-Hexanone	-0.15	ND	0.8176
38)	Dibromochloromethane	-0.15	ND	0.1134
39)	1,2-Dibromoethane	-0.21	ND	0.1022
40)	Chlorobenzene		ND	0.0613
41)	Ethylbenzene	-0.02	ND	0.0578
42)	p,&m-Xylene	-0.01	0.0725	0.0578
43)	o-Xylene	-0.04	ND	0.0578
44)	Styrene	-0.03	ND	0.0567
45)	Bromoform		ND	0.1376

Sample Name:	-2 OHM	**Data Analyzed:**	02/ 9/19 -1:9:
Misc. Info:	75 ML 18708-811 TEDLAR	**Method:**	MSA0209
Data Name:	A2070.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	6.667

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.25	ND	0.0914
48)	Benzyl Chloride	-0.01	ND	0.3451
49)	4-Ethyl Toluene	0.05	ND	0.0654
50)	1,3,5-Trimethylbenzene	0.06	ND	0.0654
51)	1,2,4-Trimethylbenzene	0.05	ND	0.0654
52)	1,3-Dichlorobenzene		ND	0.0800
53)	1,4-Dichlorobenzene	-0.12	ND	0.0800
54)	1,2-Dichlorobenzene		ND	0.0800
55)	1,2,4-Trichlorobenzene		ND	0.9875
56)	Hexachlorobutadiene		ND	0.2838
	MTBE		ND	0.24

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	268577	OK	7.53	7.53	OK
1,4-Difluorobenzene	1322938	1384196	OK	9.23	9.23	OK
Chlorobenzene-d5	657299	679254	OK	14.68	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.75	95.5
Toluene-d8	50	48.42	96.8
4-Bromofluorobenzene	50	45.90	91.8

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review

FEB 10'99 17:29 FR 714 258 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	B(0014 -3 OHM	Data Analyzed:	9 Feb 1999 19:42
Misc. Info:	500 ML 18708-812 TEDLAR	Method:	MSA0209
Data Name:	A2071.D	Shift Call.File:	CC02091.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.01	ND	0.0099
3)	Chloromethane	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	0.0153
12)	Acetone	0.03	0.0314	0.0237
13)	Methylene Chloride	0.01	0.0154	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.01	ND	0.0081
16)	Vinyl Acetate	0.19	ND ~~0.0393~~	0.0351
17)	c-1,2-Dichloroethene	0.44	ND	0.0079
18)	2-Butanone	0.29	ND ~~0.0376~~	0.0294
19)	Chloroform	-0.06	ND	0.0097
20)	1,1,1-Trichloroethane	0.01	ND	0.0109
21)	Carbon Tetrachloride	0.03	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane	0.15	ND	0.0081
26)	Trichloroethene	0.00	0.0178	0.0107
27)	1,2-Dichloropropane	-0.13	ND ~~0.0298~~ RT	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.32	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.38	ND	0.0409
32)	Toluene	-0.07	ND ~~0.0171~~ <RL	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.27	ND	0.0109
36)	Tetrachloroethene	-0.01	ND	0.0135
37)	2-Hexanone	0.04	ND	0.1226
38)	Dibromochloromethane	-0.19	ND	0.0170
39)	1,2-Dibromoethane	-0.32	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	0.0110	0.0087
42)	p,&m-Xylene	0.02	0.0376	0.0087
43)	o-Xylene	0.05	0.0145	0.0087
44)	Styrene	0.02	~~ND~~	0.0085
45)	Bromoform		ND	0.0206

Sample Name:	-3 OHM	**Data Analyzed:**	02/ 9/19 -1:9:
Misc. Info:	500 ML 18708-812 TEDLAR	**Method:**	MSA0209
Data Name:	A2071.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSA–1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.05	ND	0.0137
48)	Benzyl Chloride	0.16	ND	0.0518
49)	4-Ethyl Toluene	0.27	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.10	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.12	ND	0.0098
52)	1,3-Dichlorobenzene	0.32	ND	0.0120
53)	1,4-Dichlorobenzene	0.18	ND	0.0120
54)	1,2-Dichlorobenzene	-0.21	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0-036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	258794	272084	OK	7.53	7.54	OK
1,4-Difluorobenzene	1322938	1443130	OK	9.23	9.22	OK
Chlorobenzene-d5	657299	659535	OK	14.68	14.55	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.14	106.3
Toluene-d8	50	47.15	94.3
4-Bromofluorobenzene	50	51.43	102.9

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review

Quanterra Air Toxics Lab

Sample Name:	B1061-4 OHM	**Data Analyzed:**	9 Feb 1999 18:48
Misc. Info:	20 ML 18708-813 TEDLAR	**Method:**	MSB0209
Data Name:	B1098.D	**Shift Call.File:**	CC02091.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)	
2)	Dichlorodifluoromethane (1	-0.12	ND	0.2468	
3)	Chloromethan	0.01	ND	0.2061	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.3488	
5)	Vinyl Chloride		ND	0.1276	
6)	Bromomethan		ND	0.1938	
7)	Chloroethane		ND	0.2633	
8)	Trichlorofluoromethane (11)		ND	0.2804	
9)	1,1-Dichloroethene	-0.01	0.7648	0.1979	
10)	Carbon Disulfide	0.00	ND	0.7770	
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	35.4780	0.3824	
12)	Acetone	-0.04 0.69	~~ND 0.8895~~ RT	0.5928	
13)	Methylene Chloride		ND	0.1734	
14)	t-1,2-Dichloroethene		ND	0.1979	
15)	1,1-Dichloroethane	0.09	ND	0.2020	
16)	Vinyl Acetate	0.23	ND	0.8785	
17)	c-1,2-Dichloroethene	-0.04	ND	0.1979	
18)	2-Butanone	0.07	ND	0.7358	
19)	Chloroform	-0.01	ND	0.2437	
20)	1,1,1-Trichloroethane	0.44	ND	0.2723	
21)	Carbon Tetrachloride	0.04	0.3266	0.3139	
23)	Benzene	-0.25	ND	0.1594	
25)	1,2-Dichloroethane	0.11	ND	0.2020	
26)	Trichloroethene	0.02	1.7017	0.2682	
27)	1,2-Dichloropropane		ND	0.2306	
28)	Bromodichloromethane		ND	0.3344	
29)	c-1,3-Dichloropropene	-0.29	ND	0.2265	
30)	4-Methyl-2-Pentanone	-0.45	ND	1.0220	
32)	Toluene	-0.01	ND	~~0.1881~~	0.475
34)	t-1,3-Dichloropropene	0.26	ND	0.2265	
35)	1,1,2-Trichloroethane		ND	0.2723	
36)	Tetrachloroethene		ND	0.3385	
37)	2-Hexanone		ND	3.0660	
38)	Dibromochloromethane		ND	0.4251	
39)	1,2-Dibromoethane		ND	0.3834	
40)	Chlorobenzene		ND	0.2297	
41)	Ethylbenzene	-0.02	ND	0.2167	
42)	p,&m-Xylene	0.00	ND	0.2167	
43)	o-Xylene	0.02	ND	0.2167	
44)	Styrene		ND	0.2126	
45)	Bromoform		ND	0.5158	

LX 3/10/99

Sample Name:	-4 OHM	**Data Analyzed:**	02/ 9/19 -1:8:
Misc. Info:	20 ML 18708-813 TEDLAR	**Method:**	MSB0209
Data Name:	B1098.D	**Shift Cali.File:**	CC02091.D
Data Path:	d:\gcmsb\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.3426
48)	Benzyl Chloride	0.14	ND	1.2940
49)	4-Ethyl Toluene	-0.03	ND	0.2453
50)	1,3,5-Trimethylbenzene	-0.01	ND	0.2453
51)	1,2,4-Trimethylbenzene	0.01	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene		ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene		ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.90

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	335451	331300	OK	7.06	7.05	OK
1,4-Difluorobenzene	1369258	1355032	OK	8.70	8.70	OK
Chlorobenzene-d5	657730	687587	OK	13.98	13.97	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.25	94.5
Toluene-d8	50	51.61	103.2
4-Bromofluorobenzene	50	47.13	94.3

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review

Quanterra Air Toxics Lab

Sample Name:	B1004-5 OHM	**Data Analyzed:**	9 Feb 1999 19:16
Misc. Info:	20 ML 18708-814 TEDLAR	**Method:**	MSB0209
Data Name:	B1099.D	**Shift Call.File:**	CC02091.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)	
2)	Dichlorodifluoromethane (1	-0.13	ND	0.2468	
3)	Chloromethan		ND	0.2061	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.3488	
5)	Vinyl Chloride		ND	0.1276	
6)	Bromomethan		ND	0.1938	
7)	Chloroethane		ND	0.2633	
8)	Trichlorofluoromethane (11)		ND	0.2804	
9)	1,1-Dichloroethene	-0.02	0.7870	0.1979	
10)	Carbon Disulfide	-0.05	ND	0.7770	
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	38.6247	0.3824	
12)	Acetone	-0.05	0.6346	0.5928	
13)	Methylene Chloride		ND	0.1734	
14)	t-1,2-Dichloroethene		ND	0.1979	
15)	1,1-Dichloroethane		ND	0.2020	
16)	Vinyl Acetate	-0.17	ND	0.8785	
17)	c-1,2-Dichloroethene	-0.02	ND	0.1979	
18)	2-Butanone	0.33	ND	0.7358	
19)	Chloroform	-0.02	ND	0.2437	
20)	1,1,1-Trichloroethane		ND	0.2723	
21)	Carbon Tetrachloride	0.02	0.5833	0.3139	
23)	Benzene	0.01	ND	0.1594	
25)	1,2-Dichloroethane		ND	0.2020	
26)	Trichloroethene	0.02	9.0357	0.2682	
27)	1,2-Dichloropropane		ND	0.2306	
28)	Bromodichloromethane		ND	0.3344	
29)	c-1,3-Dichloropropene	-0.28	ND	0.2265	
30)	4-Methyl-2-Pentanone	-0.48	ND	1.0220	
32)	Toluene	0.01	ND	~~0.1881~~	0.475
34)	t-1,3-Dichloropropene		ND	0.2265	
35)	1,1,2-Trichloroethane		ND	0.2723	
36)	Tetrachloroethene	-0.04	ND	0.3385	
37)	2-Hexanone	-0.04	ND	3.0660	
38)	Dibromochloromethane		ND	0.4251	
39)	1,2-Dibromoethane	-0.20	ND	0.3834	
40)	Chlorobenzene		ND	0.2297	
41)	Ethylbenzene	-0.03	ND	0.2167	
42)	p,&m-Xylene	-0.04	ND	0.2167	
43)	o-Xylene	-0.03	ND	0.2167	
44)	Styrene		ND	0.2126	
45)	Bromoform		ND	0.5158	

FEB 10'99 17:31 FR 714 258 0921 TO OHM-IRVINE P.20

Sample Name:	-5 OHM	**Data Analyzed:**	02/ 9/19 -1:9:
Misc. Info:	20 ML 18708-814 TEDLAR	**Method:**	MSB0209
Data Name:	B1099.D	**Shift Cali.File:**	CC02091.D
Data Path:	D:\GCMSB\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.3426
48)	Benzyl Chloride	-0.12	ND	1.2940
49)	4-Ethyl Toluene	0.04	ND	0.2453
50)	1,3,5-Trimethylbenzene	-0.02	ND	0.2453
51)	1,2,4-Trimethylbenzene	-0.07	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene		ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene		ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.90

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	335451	338629	OK	7.06	7.05	OK
1,4-Difluorobenzene	1369258	1436541	OK	8.70	8.70	OK
Chlorobenzene-d5	657730	723855	OK	13.98	13.98	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.53	91.1
Toluene-d8	50	51.75	103.5
4-Bromofluorobenzene	50	46.36	92.7

Comments:

Foot Notes:

1st Review: LR 2/10/99 2nd Review

FEB 10'99 17:32 FR 714 258 0921 TO OHM-IRVINE P.21

(usl-)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219479
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Thizar Tintut Williams	(949) 660-5300	(949) 475-5433	Q136050	MARIA JONES	OHM Remediation
PROJECT NAME: 24SG138 & 24SG68	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18233	LABORATORY PHONE: (626) 965-1006	LABORATORY FAX	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Thizar Tintut-Williams	PROJECT PHONE NUMBER: (949) 451-1667	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra,		ADDRESS: 3347 Michelson Dr. #200
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Hornecker, NAVFAC	CITY, STATE AND ZIPCODE: City of Industry, CA		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: BILL SEDLAK	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' bags first

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	18233-029	Vapor	1/28/99	0845	Ambient	2	III	24-hr	X	
2	18233-030	Vapor	1/28/99	0905	Ambient	3	III	24-hr	X	
3	18233-031	Vapor	1/28/99	1055	Ambient	3	III	24-hr	X	
4	18233-032	Vapor	1/28/99	1105	Ambient	2	IV	5-DAY	X	
5	18233-033	Vapor	1/28/99	1335	Ambient	2	III	24-hr ~~5-DAY~~	X	
6	18233-034	Vapor	1/28/99	1415	Ambient	3	III	24-hr	X	
7	18233-035	Vapor	1/28/99	1505	Ambient	2	III	24-hr	X	
8	B233-036	Vapor	1/28/99	1530	Ambient	3	III	24-hr	X	
9										
10										

1/28/99

SAMPLES COLLECTED BY: [signature]
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-28-99	4:00 PM	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. 24SG138 - Ambient	X		X	X
2. 24SG138 @ 51'	X		X	
3. 24SG138 @ 81'	X		X	
4. 24SG138 @ 81'	X		X	X
5. 24SG68 - Ambient 1	X		X	X
6. 24SG68 - @ 51'	X		X	
7. 24SG68 - Ambient 2	X		X	X
8. 24SG68 - @ 69.5'	X		X	X

Comments
③ and ④ are duplicate.

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18233-029
LAB ID: 136050-0001-SA
Matrix: AIR — Sampled: 28 JAN 99 — Received: 28 JAN 99
Authorized: 28 JAN 99 — Prepared: N/A — Analyzed: 29 JAN 99
Instrument: GC/MS-A — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	0.037		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	ND		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.039		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.021		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	0.041		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	0.013		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-029
LAB ID: 136050-0001-SA
Matrix: AIR
Authorized: 28 JAN 99
Instrument: GC/MS-A

Sampled: 28 JAN 99
Prepared: N/A
Dilution: 1.0

Received: 28 JAN 99
Analyzed: 29 JAN 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	0.017		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-030		
LAB ID:	136050-0002-SA		
Matrix:	AIR	Sampled: 28 JAN 99	Received: 28 JAN 99
Authorized:	28 JAN 99	Prepared: N/A	Analyzed: 29 JAN 99
Instrument:	GC/MS-A	Dilution: 100	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.99	ug/L
Chloromethane	ND		0.82	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.4	ug/L
Vinyl chloride	ND		0.51	ug/L
Bromomethane	ND		0.78	ug/L
Chloroethane	ND		1.1	ug/L
Trichlorofluoromethane	ND		1.1	ug/L
1,1-Dichloroethene	0.89	F	0.79	ug/L
Carbon disulfide	ND		3.1	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	300		1.5	ug/L
Acetone	ND		2.4	ug/L
Methylene chloride	ND		0.69	ug/L
trans-1,2-Dichloroethene	ND		0.79	ug/L
Methyl t-butyl ether	ND		3.6	ug/L
1,1-Dichloroethane	ND		0.81	ug/L
Vinyl acetate	ND		3.5	ug/L
cis-1,2-Dichloroethene	ND		0.79	ug/L
2-Butanone	ND		2.9	ug/L
Chloroform	ND		0.97	ug/L
1,1,1-Trichloroethane	ND		1.1	ug/L
Carbon tetrachloride	4.0		1.3	ug/L
Benzene	ND		0.64	ug/L
1,2-Dichloroethane	ND		0.81	ug/L
Trichloroethene	52		1.1	ug/L
1,2-Dichloropropane	ND		0.92	ug/L
Bromodichloromethane	ND		1.3	ug/L
cis-1,3-Dichloropropene	ND		0.91	ug/L
4-Methyl-2-pentanone	ND		4.1	ug/L
Toluene	ND		1.9	ug/L
trans-1,3-Dichloropropene	ND		0.91	ug/L
1,1,2-Trichloroethane	ND		1.1	ug/L
Tetrachloroethene	ND		1.4	ug/L
2-Hexanone	ND		12	ug/L
Dibromochloromethane	ND		1.7	ug/L
1,2-Dibromoethane (EDB)	ND		1.5	ug/L
Chlorobenzene	ND		0.92	ug/L
Ethylbenzene	ND		0.87	ug/L
Xylenes (total)	ND		0.87	ug/L
Styrene	ND		0.85	ug/L
Bromoform	ND		2.1	ug/L
1,1,2,2-Tetrachloroethane	ND		1.4	ug/L
Benzyl chloride	ND		5.2	ug/L
4-Ethyltoluene	ND		0.99	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-030
LAB ID: 136050-0002-SA
Matrix: AIR — Sampled: 28 JAN 99 — Received: 28 JAN 99
Authorized: 28 JAN 99 — Prepared: N/A — Analyzed: 29 JAN 99
Instrument: GC/MS-A — Dilution: 100

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.98	ug/L
1,2,4-Trimethylbenzene	ND		0.98	ug/L
1,3-Dichlorobenzene	ND		1.2	ug/L
1,4-Dichlorobenzene	ND		1.2	ug/L
1,2-Dichlorobenzene	ND		1.2	ug/L
1,2,4-Trichlorobenzene	ND		15	ug/L
Hexachlorobutadiene	ND		4.2	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18233-031
LAB ID: 136050-0003-SA
Matrix: AIR
Authorized: 28 JAN 99
Instrument: GC/MS-A

Sampled: 28 JAN 99
Prepared: N/A
Dilution: 1.0

Received: 28 JAN 99
Analyzed: 29 JAN 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.35		0.015	ug/L
Acetone	0.036		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	0.022		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	1.3		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.025		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.029		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-031
LAB ID: 136050-0003-SA
Matrix: AIR
Authorized: 28 JAN 99
Instrument: GC/MS-A

Sampled: 28 JAN 99
Prepared: N/A
Dilution: 1.0

Received: 28 JAN 99
Analyzed: 29 JAN 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-032		
LAB ID:	136050-0004-SA		
Matrix:	AIR	Sampled: 28 JAN 99	Received: 28 JAN 99
Authorized:	28 JAN 99	Prepared: N/A	Analyzed: 29 JAN 99
Instrument:	GC/MS-A	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.38		0.015	ug/L
Acetone	0.039		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	0.026		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	1.4		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.024		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.029		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-032
LAB ID: 136050-0004-SA
Matrix: AIR Sampled: 28 JAN 99 Received: 28 JAN 99
Authorized: 28 JAN 99 Prepared: N/A Analyzed: 29 JAN 99
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-033		
LAB ID:	136050-0005-SA		
Matrix:	AIR	Sampled: 28 JAN 99	Received: 28 JAN 99
Authorized:	28 JAN 99	Prepared: N/A	Analyzed: 29 JAN 99
Instrument:	GC/MS-A	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.26		0.015	ug/L
Acetone	0.048		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	0.015		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.66		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.039		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.028		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	0.012		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-033
LAB ID: 136050-0005-SA
Matrix: AIR — Sampled: 28 JAN 99 — Received: 28 JAN 99
Authorized: 28 JAN 99 — Prepared: N/A — Analyzed: 29 JAN 99
Instrument: GC/MS-A — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-034		
LAB ID:	136050-0006-SA		
Matrix:	AIR	Sampled: 28 JAN 99	Received: 28 JAN 99
Authorized:	28 JAN 99	Prepared: N/A	Analyzed: 29 JAN 99
Instrument:	GC/MS-A	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.097		0.015	ug/L
Acetone	0.035		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.16		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.025		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-034
LAB ID: 136050-0006-SA
Matrix: AIR | Sampled: 28 JAN 99 | Received: 28 JAN 99
Authorized: 28 JAN 99 | Prepared: N/A | Analyzed: 29 JAN 99
Instrument: GC/MS-A | Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-035		
LAB ID:	136050-0007-SA		
Matrix:	AIR	Sampled: 28 JAN 99	Received: 28 JAN 99
Authorized:	28 JAN 99	Prepared: N/A	Analyzed: 29 JAN 99
Instrument:	GC/MS-A	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.26		0.015	ug/L
Acetone	0.061		0.024	ug/L
Methylene chloride	0.028		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	0.063		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	0.032		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	0.013		0.013	ug/L
Benzene	0.024	F	0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.54		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.17		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.015		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-035
LAB ID: 136050-0007-SA
Matrix: AIR — Sampled: 28 JAN 99 — Received: 28 JAN 99
Authorized: 28 JAN 99 — Prepared: N/A — Analyzed: 29 JAN 99
Instrument: GC/MS-A — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.0098	ug/L
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-036		
LAB ID:	136050-0008-SA		
Matrix:	AIR	Sampled: 28 JAN 99	Received: 28 JAN 99
Authorized:	28 JAN 99	Prepared: N/A	Analyzed: 29 JAN 99
Instrument:	GC/MS-A	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.055		0.015	ug/L
Acetone	0.032		0.024	ug/L
Methylene chloride	0.012		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	0.0076	F	0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.028		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.27		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	0.021		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-036
LAB ID: 136050-0008-SA
Matrix: AIR | Sampled: 28 JAN 99 | Received: 28 JAN 99
Authorized: 28 JAN 99 | Prepared: N/A | Analyzed: 29 JAN 99
Instrument: GC/MS-A | Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.0098	ug/L
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
222404
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Inizar Tintut-Williams	LAB COORDINATOR'S PHONE: (619) 661-5326	LAB COORDINATOR'S FAX: (619) 475-5433	LABORATORY SERVICE ID: MQB100186	LABORATORY CONTACT: Maria Jures	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 258-8610	LABORATORY FAX:	RECIPIENT NAME: Duwayne Ishida
PROJECT CONTACT: Inizar Tintut-Williams	PROJECT PHONE NUMBER: (619) 661-5326	PROJECT FAX: (619) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr, Ste 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: Lynn Hernecker, SW Div.	CITY, STATE AND ZIPCODE: Santa Ana CA		CITY, STATE, AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (619) 661-5326	PROJECT MANAGER'S FAX: (619) 475-5433			

Analyze A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: TO-14	Analyses: Helium-Confirmed	Comments
1	18708-815	Vapor	2/10/99	1035	Ambient	1	III	24 hr		X	Analyze only if TCE is detected in 18708-818
2	18708-816	Vapor	2/10/99	1045	Ambient	2	III	24 hr		X	Analyze only if TCE is detected in 18708-818
3	18708-817	Vapor	2/10/99	1115	Ambient	3	III	5 day	X		
4	18708-818	Vapor	2/10/99	1300	Ambient	2	III	24 hr	X		
5	18708-819	Vapor	2/10/99	1225	Ambient	3	III	24 hr	X		
6	18708-820	Vapor	2/10/99	1440	Ambient	3	III	24 hr	X		
7											
8				Ed Berg	2/10/99						
9											
10											

SAMPLES COLLECTED BY: Maria Jures
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Maria Jures	D Brandt	2/10/99	1500	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1. 24SG19 - Ambient	X		X	X
2. 24SG19 - Amb (020999A - Tubing)	X		X	X
3. 24SG19 - @ 50.5	X		X	
4. 24SG19 - Amb (021099A - Tubing)	X		X	X
5. 24SG19 - @ 70'	X		X	
6. 24SG19 - @ 92'	X		X	

Comments
Soil Gas Sampling : SG19

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	B100186-3 OHM	Data Analyzed:	10 Feb 1999 19:58
Misc. Info:	500 ML 18708-817 TEDLAR	Method:	MSA0210
Data Name:	A2077.D	Shift Call.File:	CC02101.D
Data Path:	D:\GCMSA-1\990208\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.02	ND	0.0099
3)	Chloromethane		ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene	-0.00	ND	0.0079
10)	Carbon Disulfide	0.03	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	0.01	ND	0.0237
13)	Methylene Chloride	-0.00	0.0109	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.20	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.29	ND ~~0.0441~~	0.0294
19)	Chloroform	-0.07	ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.00	ND	0.0064
25)	1,2-Dichloroethane	0.04	ND	0.0081
26)	Trichloroethene	-0.02	ND	0.0107
27)	1,2-Dichloropropane	-0.16	ND ~~0.0215~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene		ND	0.0091
30)	4-Methyl-2-Pentanone	-0.34	ND	0.0409
32)	Toluene	-0.05	ND ~~0.0157~~	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.24	ND	0.0109
36)	Tetrachloroethene	-0.05	ND	0.0135
37)	2-Hexanone	-0.21	ND	0.1226
38)	Dibromochloromethane	-0.21	ND	0.0170
39)	1,2-Dibromoethane	-0.27	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.03	0.0099	0.0087
42)	p,&m-Xylene	0.01	0.0357	0.0087
43)	o-Xylene	0.01	0.0138	0.0087
44)	Styrene	0.02	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 11'99 15:46 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	B100186-3 OHM	**Data Analyzed:**	02/10/19 -1:9:
Misc. Info:	500 ML 18708-817 TEDLAR	**Method:**	MSA0210
Data Name:	A2077.D	**Shift Cali.File:**	CC02101.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.17	ND	0.0137
48)	Benzyl Chloride	0.09	ND	0.0518
49)	4-Ethyl Toluene	0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.01	~~ND~~	0.0098
51)	1,2,4-Trimethylbenzene	0.02	0.0100	0.0098
52)	1,3-Dichlorobenzene		~~ND~~	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene	-0.36	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	141775	OK	7.52	7.55	OK
1,4-Difluorobenzene	763512	830974	OK	9.23	9.23	OK
Chlorobenzene-d5	371121	411799	OK	14.70	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	54.76	109.5
Toluene-d8	50	50.64	101.3
4-Bromofluorobenzene	50	51.06	102.1

Comments:

Foot Notes:

1st Review: 2nd Review

FEB 11,99 15:46 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	B100186-4 OHM	**Data Analyzed:**	10 Feb 1999 18:35
Misc. Info:	500 ML 18708-818 TEDLAR	**Method:**	MSA0210
Data Name:	a2074.d	**Shift Cali.File:**	CC02101.D
Data Path:	d:\gcmsa-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.00	ND	0.0099
3)	Chloromethane	0.23	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	0.01	0.0637	0.0237
13)	Methylene Chloride	-0.01	0.0112	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.07	ND	0.0081
16)	Vinyl Acetate	0.18	ND ~~0.0638~~	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	-0.03	ND	0.0294
19)	Chloroform	-0.07	ND	0.0097
20)	1,1,1-Trichloroethane		ND	0.0109
21)	Carbon Tetrachloride	-0.04	ND	0.0126
23)	Benzene	0.04	ND	0.0064
25)	1,2-Dichloroethane	0.12	ND	0.0081
26)	Trichloroethene	-0.03	ND	0.0107
27)	1,2-Dichloropropane	-0.12	ND ~~0.0486~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.46	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.35	ND ~~0.0565~~	0.0409
32)	Toluene	-0.05	0.0239	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.13	ND	0.0109
36)	Tetrachloroethene	0.00	ND	0.0135
37)	2-Hexanone	-0.06	ND	0.1226
38)	Dibromochloromethane	-0.11	ND	0.0170
39)	1,2-Dibromoethane	-0.32	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.01	0.0134	0.0087
42)	p,&m-Xylene	0.02	0.0494	0.0087
43)	o-Xylene	0.01	0.0209	0.0087
44)	Styrene	-0.01	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 11'99 15:47 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	B100186-4 OHM	**Data Analyzed:**	02/10/19 -1:8:
Misc. Info:	500 ML 18708-818 TEDLAR	**Method:**	MSA0210
Data Name:	a2074.d	**Shift Call.File:**	CC02101.D
Data Path:	d:\gcmsa~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.05	ND	0.0137
48)	Benzyl Chloride	0.00	ND	0.0518
49)	4-Ethyl Toluene	0.01	0.0151	0.0098
50)	1,3,5-Trimethylbenzene	0.01	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.03	0.0186	0.0098
52)	1,3-Dichlorobenzene	0.05	ND	0.0120
53)	1,4-Dichlorobenzene	-0.09	ND	0.0120
54)	1,2-Dichlorobenzene	-0.38	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.032

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	124843	OK	7.52	7.55	OK
1,4-Difluorobenzene	763512	735528	OK	9.23	9.23	OK
Chlorobenzene-d5	371121	366205	OK	14.70	14.67	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.14	104.3
Toluene-d8	50	49.56	99.1
4-Bromofluorobenzene	50	49.07	98.1

Comments:

Foot Notes:

1st Review: LR 2/11/99 2nd Review

FEB 11'99 15:47 FR 714 258 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	B100186-5 OHM	**Data Analyzed:**	10 Feb 1999 19:04
Misc. Info:	10 ML 18708-819 TEDLAR	**Method:**	MSA0210
Data Name:	a2075.d	**Shift Call.File:**	CC02101.D
Data Path:	d:\gcmsa~1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)		ND	0.4935
3)	Chloromethane		ND	0.4122
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.6976
5)	Vinyl Chloride		ND	0.2551
6)	Bromomethane		ND	0.3875
7)	Chloroethane		ND	0.5266
8)	Trichlorofluoromethane (11)		ND	0.5607
9)	1,1-Dichloroethene	-0.01	35.3865	0.3957
10)	Carbon Disulfide		ND	1.5540
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	26.0135	0.7648
12)	Acetone	-0.01	ND	1.1855
13)	Methylene Chloride		ND	0.3467
14)	t-1,2-Dichloroethene	-0.33	ND	0.3957
15)	1,1-Dichloroethane	0.01	ND	0.4039
16)	Vinyl Acetate	0.19	ND	1.7570
17)	c-1,2-Dichloroethene		ND	0.3957
18)	2-Butanone	0.31	ND	1.4715
19)	Chloroform	0.12	ND	0.4873
20)	1,1,1-Trichloroethane		ND	0.5445
21)	Carbon Tetrachloride	-0.02	0.9215	0.6278
23)	Benzene	0.02	ND	0.3188
25)	1,2-Dichloroethane	-0.22	ND	0.4039
26)	Trichloroethene	-0.02	4.0629	0.5363
27)	1,2-Dichloropropane		ND	0.4612
28)	Bromodichloromethane		ND	0.6687
29)	c-1,3-Dichloropropene		ND	0.4529
30)	4-Methyl-2-Pentanone	-0.03	ND	2.0440
32)	Toluene	-0.04	ND	~~0.3761~~ 0.95
34)	t-1,3-Dichloropropene		ND	0.4529
35)	1,1,2-Trichloroethane		ND	0.5445
36)	Tetrachloroethene		ND	0.6769
37)	2-Hexanone		ND	6.1320
38)	Dibromochloromethane		ND	0.8502
39)	1,2-Dibromoethane		ND	0.7668
40)	Chlorobenzene		ND	0.4594
41)	Ethylbenzene	0.29	ND	0.4333
42)	p,&m-Xylene	0.01	ND	0.4333
43)	o-Xylene		ND	0.4333
44)	Styrene		ND	0.4251
45)	Bromoform		ND	1.0316

FEB 11'99 15:48 FR 714 258 0921 TO OHM-IRVINE P.12

Sample Name:	B100186-5 OHM	**Data Analyzed:**	02/10/19 -1:9:
Misc. Info:	10 ML 18708-819 TEDLAR	**Method:**	MSA0210
Data Name:	a2075.d	**Shift Call.File:**	CC02101.D
Data Path:	d:\gcmsa~1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.6851
48)	Benzyl Chloride		ND	2.5880
49)	4-Ethyl Toluene	0.34	ND	0.4906
50)	1,3,5-Trimethylbenzene	0.16	ND	0.4906
51)	1,2,4-Trimethylbenzene		ND	0.4906
52)	1,3-Dichlorobenzene		ND	0.6000
53)	1,4-Dichlorobenzene		ND	0.6000
54)	1,2-Dichlorobenzene		ND	0.6000
55)	1,2,4-Trichlorobenzene		ND	7.4060
56)	Hexachlorobutadiene		ND	2.1286
	MTBE		ND	1.8

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	115910	OK	7.52	7.57	OK
1,4-Difluorobenzene	763512	695087	OK	9.23	9.27	OK
Chlorobenzene-d5	371121	340463	OK	14.70	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	49.48	99.0
Toluene-d8	50	51.98	104.0
4-Bromofluorobenzene	50	45.42	90.8

Comments:

Foot Notes:

1st Review: LR 2/11/99 2nd Review

FEB 11'99 15:48 FR 714 258 0921 TO OHM-IRVINE P.13

Quanterra Air Toxics Lab

Sample Name:	B100186-6 OHM	**Data Analyzed:**	10 Feb 1999 19:31
Misc. Info:	6 ML 18708-820 TEDLAR	**Method:**	MSA0210
Data Name:	A2076.D	**Shift Cali.File:**	CC02101.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	83.33

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)		ND	0.8225
3)	Chloromethane		ND	0.6870
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	1.1626
5)	Vinyl Chloride		ND	0.4251
6)	Bromomethane		ND	0.6458
7)	Chloroethane		ND	0.8776
8)	Trichlorofluoromethane (11)		ND	0.9345
9)	1,1-Dichloroethene	-0.01	40.5107	0.6595
10)	Carbon Disulfide		ND	2.5899
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	64.0790	1.2746
12)	Acetone	-0.12	ND	1.9758
13)	Methylene Chloride		ND	0.5778
14)	t-1,2-Dichloroethene	-0.48	ND	0.6595
15)	1,1-Dichloroethane		ND	0.6731
16)	Vinyl Acetate	0.18	ND	2.9282
17)	c-1,2-Dichloroethene	-0.19	ND	0.6595
18)	2-Butanone		ND	2.4524
19)	Chloroform	-0.04	ND	0.8121
20)	1,1,1-Trichloroethane		ND	0.9075
21)	Carbon Tetrachloride	-0.01	2.1760	1.0463
23)	Benzene		ND	0.5313
25)	1,2-Dichloroethane		ND	0.6731
26)	Trichloroethene	-0.02	23.0317	0.8938
27)	1,2-Dichloropropane		ND	0.7686
28)	Bromodichloromethane		ND	1.1145
29)	c-1,3-Dichloropropene		ND	0.7548
30)	4-Methyl-2-Pentanone	-0.07	ND	3.4065
32)	Toluene	-0.06	ND	~~0.6268~~ 1.58
34)	t-1,3-Dichloropropene		ND	0.7548
35)	1,1,2-Trichloroethane		ND	0.9075
36)	Tetrachloroethene		ND	1.1281
37)	2-Hexanone		ND	10.2196
38)	Dibromochloromethane		ND	1.4169
39)	1,2-Dibromoethane		ND	1.2779
40)	Chlorobenzene		ND	0.7656
41)	Ethylbenzene		ND	0.7221
42)	p,&m-Xylene	-0.02	ND	0.7221
43)	o-Xylene		ND	0.7221
44)	Styrene		ND	0.7085
45)	Bromoform		ND	1.7193

Sample Name:	B100186-6 OHM	Data Analyzed:	02/10/19 -1:9:
Misc. Info:	6 ML 18708-820 TEDLAR	Method:	MSA0210
Data Name:	A2076.D	Shift Call.File:	CC02101.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	83.33

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	1.1418
48)	Benzyl Chloride		ND	4.3132
49)	4-Ethyl Toluene		ND	0.8176
50)	1,3,5-Trimethylbenzene		ND	0.8176
51)	1,2,4-Trimethylbenzene		ND	0.8176
52)	1,3-Dichlorobenzene		ND	1.0000
53)	1,4-Dichlorobenzene		ND	1.0000
54)	1,2-Dichlorobenzene		ND	1.0000
55)	1,2,4-Trichlorobenzene		ND	12.3428
56)	Hexachlorobutadiene		ND	3.5475
			ND	3.0

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	115688	OK	7.52	7.57	OK
1,4-Difluorobenzene	763512	694222	OK	9.23	9.27	OK
Chlorobenzene-d5	371121	347456	OK	14.70	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.06	94.1
Toluene-d8	50	49.62	99.2
4-Bromofluorobenzene	50	43.06	86.1

Comments:

Foot Notes:

1st Review: LR 2/11/99 2nd Review

FEB 11'99 15:49 FR 714 258 0921 TO OHM-IRVINE P.17

Quanterra Air Toxics Lab

Sample Name:	B100186-3 OHM	Data Analyzed:	10 Feb 1999 19:58
Misc. Info:	500 ML 18708-817 TEDLAR	Method:	MSA0210
Data Name:	A2077.D	Shift Cali.File:	CC02101.D
Data Path:	D:\GCMSA-1\990208\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.02	ND	2.00
3)	Chloromethane		ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.00	ND	2.00
9)	1,1-Dichloroethene	-0.00	ND	2.00
10)	Carbon Disulfide	0.03	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	2.00
12)	Acetone	0.01	ND	10.00
13)	Methylene Chloride	-0.00	3.14	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	0.20	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.29	ND ~~14.98~~ RT, MS	10.00
19)	Chloroform	-0.07	ND	2.00
20)	1,1,1-Trichloroethane	-0.01	ND	2.00
21)	Carbon Tetrachloride	0.01	ND	2.00
23)	Benzene	0.00	ND	2.00
25)	1,2-Dichloroethane	0.04	ND	2.00
26)	Trichloroethene	-0.02	ND	2.00
27)	1,2-Dichloropropane	-0.16	ND ~~4.85~~ RT, MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene		ND	2.00
30)	4-Methyl-2-Pentanone	-0.34	ND	10.00
32)	Toluene	-0.05	ND ~~4.49~~ CRL	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	-0.24	ND	2.00
36)	Tetrachloroethene	-0.05	ND	2.00
37)	2-Hexanone	-0.21	ND	30.00
38)	Dibromochloromethane	-0.21	ND	2.00
39)	1,2-Dibromoethane	-0.27	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.03	2.29	2.00
42)	p,&m-Xylene	0.01	8.23	2.00
43)	o-Xylene	0.01	3.18	2.00
44)	Styrene	0.02	ND	2.00
45)	Bromoform		ND	2.00

FEB 11'99 15:46 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	B100186-3 OHM	**Data Analyzed:**	02/10/19 -1:9:
Misc. Info:	500 ML 18708-817 TEDLAR	**Method:**	MSA0210
Data Name:	A2077.D	**Shift Call.File:**	CC02101.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.17	ND	2.00
48)	Benzyl Chloride	0.09	ND	10.00
49)	4-Ethyl Toluene	0.01	ND	2.00
50)	1,3,5-Trimethylbenzene	0.01	ND	2.00
51)	1,2,4-Trimethylbenzene	0.02	2.05	2.00
52)	1,3-Dichlorobenzene		ND	2.00
53)	1,4-Dichlorobenzene		ND	2.00
54)	1,2-Dichlorobenzene	-0.36	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	141775	OK	7.52	7.55	OK
1,4-Difluorobenzene	763512	830974	OK	9.23	9.23	OK
Chlorobenzene-d5	371121	411799	OK	14.70	14.68	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	54.76	109.5
Toluene-d8	50	50.64	101.3
4-Bromofluorobenzene	50	51.06	102.1

Comments:

Foot Notes:

1st Review: LR 2/11/99

2nd Review:

FEB 11'99 15:46 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	B100186-4 OHM	**Data Analyzed:**	10 Feb 1999 18:35
Misc. Info:	500 ML 18708-818 TEDLAR	**Method:**	MSA0210
Data Name:	A2074.D	**Shift Cali.File:**	CC02101.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.00	ND	2.00
3)	Chloromethane	0.23	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.00	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	2.00
12)	Acetone	0.01	26.85	10.00
13)	Methylene Chloride	-0.01	3.23	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	-0.07	ND	2.00
16)	Vinyl Acetate	0.18	ND ~~18.15~~ RT	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	-0.03	ND	10.00
19)	Chloroform	-0.07	ND	2.00
20)	1,1,1-Trichloroethane		ND	2.00
21)	Carbon Tetrachloride	-0.04	ND	2.00
23)	Benzene	0.04	ND	2.00
25)	1,2-Dichloroethane	0.12	ND	2.00
26)	Trichloroethene	-0.03	ND	2.00
27)	1,2-Dichloropropane	-0.12	ND ~~8.81~~ RT.	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.46	ND	2.00
30)	4-Methyl-2-Pentanone	-0.35	ND ~~13.62~~ RT.	10.00
32)	Toluene	-0.05	6.34	~~2.00~~ 5
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	-0.13	ND	2.00
36)	Tetrachloroethene	0.00	ND	2.00
37)	2-Hexanone	-0.06	ND	30.00
38)	Dibromochloromethane	-0.11	ND	2.00
39)	1,2-Dibromoethane	-0.32	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.01	3.10	2.00
42)	p,&m-Xylene	0.02	11.39	2.00
43)	o-Xylene	0.01	4.83	2.00
44)	Styrene	-0.01	ND	2.00
45)	Bromoform		ND	2.00

FEB 11'99 15:47 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	B100186-4 OHM	**Data Analyzed:**	02/10/19 -1:8:
Misc. Info:	500 ML 18708-818 TEDLAR	**Method:**	MSA0210
Data Name:	A2074.D	**Shift Cali.File:**	CC02101.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.05	ND	2.00
48)	Benzyl Chloride	0.00	ND	10.00
49)	4-Ethyl Toluene	0.01	3.07	2.00
50)	1,3,5-Trimethylbenzene	0.01	ND	2.00
51)	1,2,4-Trimethylbenzene	0.03	3.80	2.00
52)	1,3-Dichlorobenzene	0.05	ND	2.00
53)	1,4-Dichlorobenzene	-0.09	ND	2.00
54)	1,2-Dichlorobenzene	-0.38	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	124843	OK	7.52	7.55	OK
1,4-Difluorobenzene	763512	735528	OK	9.23	9.23	OK
Chlorobenzene-d5	371121	366205	OK	14.70	14.67	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.14	104.3
Toluene-d8	50	49.56	99.1
4-Bromofluorobenzene	50	49.07	98.1

Comments:

Foot Notes:

1st Review: LR 2/11/99

2nd Review:

FEB 11'99 15:47 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	B100186-5 OHM	**Data Analyzed:**	10 Feb 1999 19:04
Misc. Info:	10 ML 18708-819 TEDLAR	**Method:**	MSA0210
Data Name:	A2075.D	**Shift Cali.File:**	CC02101.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	100.00
3)	Chloromethane		ND	200.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	100.00
5)	Vinyl Chloride		ND	100.00
6)	Bromomethane		ND	100.00
7)	Chloroethane		ND	200.00
8)	Trichlorofluoromethane (11)		ND	100.00
9)	1,1-Dichloroethene	-0.01	8942.76	100.00
10)	Carbon Disulfide		ND	500.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	3401.34	100.00
12)	Acetone	-0.01	ND	500.00
13)	Methylene Chloride		ND	100.00
14)	t-1,2-Dichloroethene	-0.33	ND	100.00
15)	1,1-Dichloroethane	0.01	ND	100.00
16)	Vinyl Acetate	0.19	ND	500.00
17)	c-1,2-Dichloroethene		ND	100.00
18)	2-Butanone	0.31	ND	500.00
19)	Chloroform	0.12	ND	100.00
20)	1,1,1-Trichloroethane		ND	100.00
21)	Carbon Tetrachloride	-0.02	146.78	100.00
23)	Benzene	0.02	ND	100.00
25)	1,2-Dichloroethane	-0.22	ND	100.00
26)	Trichloroethene	-0.02	757.58	100.00
27)	1,2-Dichloropropane		ND	100.00
28)	Bromodichloromethane		ND	100.00
29)	c-1,3-Dichloropropene		ND	100.00
30)	4-Methyl-2-Pentanone	-0.03	ND	500.00
32)	Toluene	-0.04	ND	~~100.00~~ 250
34)	t-1,3-Dichloropropene		ND	100.00
35)	1,1,2-Trichloroethane		ND	100.00
36)	Tetrachloroethene		ND	100.00
37)	2-Hexanone		ND	1500.00
38)	Dibromochloromethane		ND	100.00
39)	1,2-Dibromoethane		ND	100.00
40)	Chlorobenzene		ND	100.00
41)	Ethylbenzene	0.29	ND	100.00
42)	p,&m-Xylene	0.01	ND	100.00
43)	o-Xylene		ND	100.00
44)	Styrene		ND	100.00
45)	Bromoform		ND	100.00

FEB 11 99 15:48 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	B100186-5 OHM	**Data Analyzed:**	02/10/19 -1:9:
Misc. Info:	10 ML 18708-819 TEDLAR	**Method:**	MSA0210
Data Name:	A2075.D	**Shift Cali.File:**	CC02101.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	50

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	100.00
48)	Benzyl Chloride		ND	500.00
49)	4-Ethyl Toluene	0.34	ND	100.00
50)	1,3,5-Trimethylbenzene	0.16	ND	100.00
51)	1,2,4-Trimethylbenzene		ND	100.00
52)	1,3-Dichlorobenzene		ND	100.00
53)	1,4-Dichlorobenzene		ND	100.00
54)	1,2-Dichlorobenzene		ND	100.00
55)	1,2,4-Trichlorobenzene		ND	1000.00
56)	Hexachlorobutadiene		ND	200.00
	MTBE		ND	500

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	115910	OK	7.52	7.57	OK
1,4-Difluorobenzene	763512	695087	OK	9.23	9.27	OK
Chlorobenzene-d5	371121	340463	OK	14.70	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	49.48	99.0
Toluene-d8	50	51.98	104.0
4-Bromofluorobenzene	50	45.42	90.8

Comments:

Foot Notes:

1st Review: LR 2/11/99

2nd Review:

FEB 11 99 15:46 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	B100186-6 OHM	Data Analyzed:	10 Feb 1999 19:31
Misc. Info:	6 ML 18708-820 TEDLAR	Method:	MSA0210
Data Name:	A2076.D	Shift Cali.File:	CC02101.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	83.33

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)		ND	166.66
3)	Chloromethane		ND	333.32
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	166.66
5)	Vinyl Chloride		ND	166.66
6)	Bromomethane		ND	166.66
7)	Chloroethane		ND	333.32
8)	Trichlorofluoromethane (11)		ND	166.66
9)	1,1-Dichloroethene	-0.01	10237.74	166.66
10)	Carbon Disulfide		ND	833.30
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	8378.54	166.66
12)	Acetone	-0.12	ND	833.30
13)	Methylene Chloride		ND	166.66
14)	t-1,2-Dichloroethene	-0.48	ND	166.66
15)	1,1-Dichloroethane		ND	166.66
16)	Vinyl Acetate	0.18	ND	833.30
17)	c-1,2-Dichloroethene	-0.19	ND	166.66
18)	2-Butanone		ND	833.30
19)	Chloroform	-0.04	ND	166.66
20)	1,1,1-Trichloroethane		ND	166.66
21)	Carbon Tetrachloride	-0.01	346.61	166.66
23)	Benzene		ND	166.66
25)	1,2-Dichloroethane		ND	166.66
26)	Trichloroethene	-0.02	4294.55	166.66
27)	1,2-Dichloropropane		ND	166.66
28)	Bromodichloromethane		ND	166.66
29)	c-1,3-Dichloropropene		ND	166.66
30)	4-Methyl-2-Pentanone	-0.07	ND	833.30
32)	Toluene	-0.06	ND	~~166.66~~ 417
34)	t-1,3-Dichloropropene		ND	166.66
35)	1,1,2-Trichloroethane		ND	166.66
36)	Tetrachloroethene		ND	166.66
37)	2-Hexanone		ND	2499.90
38)	Dibromochloromethane		ND	166.66
39)	1,2-Dibromoethane		ND	166.66
40)	Chlorobenzene		ND	166.66
41)	Ethylbenzene		ND	166.66
42)	p,&m-Xylene	-0.02	ND	166.66
43)	o-Xylene		ND	166.66
44)	Styrene		ND	166.66
45)	Bromoform		ND	166.66

Sample Name:	B100186-6 OHM	**Data Analyzed:**	02/10/19 -1:9:
Misc. Info:	6 ML 18708-820 TEDLAR	**Method:**	MSA0210
Data Name:	A2076.D	**Shift Call.File:**	CC02101.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	83.33

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	166.66
48)	Benzyl Chloride		ND	833.30
49)	4-Ethyl Toluene		ND	166.66
50)	1,3,5-Trimethylbenzene		ND	166.66
51)	1,2,4-Trimethylbenzene		ND	166.66
52)	1,3-Dichlorobenzene		ND	166.66
53)	1,4-Dichlorobenzene		ND	166.66
54)	1,2-Dichlorobenzene		ND	166.66
55)	1,2,4-Trichlorobenzene		ND	1666.60
56)	Hexachlorobutadiene		ND	333.32
	MTBE		ND	833.3

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	139584	115688	OK	7.52	7.57	OK
1,4-Difluorobenzene	763512	694222	OK	9.23	9.27	OK
Chlorobenzene-d5	371121	347456	OK	14.70	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.06	94.1
Toluene-d8	50	49.62	99.2
4-Bromofluorobenzene	50	43.06	86.1

Comments:

Foot Notes:

1st Review: LR 2/11/99

2nd Review:

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219497
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Thuzar Tinhut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICED: Q13603	LABORATORY CONTACT: Mario Torres	MAIL REPORT TO (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18708	LABORATORY PHONE: (310) 556-1611	LABORATORY FAX:	RECIPIENT NAME: Douglas Johnson
PROJECT CONTACT: Thuzar Tinhut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: [illegible]		ADDRESS: 3347 Michelson Dr., Ste. 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: [illegible] Div.	CITY, STATE AND ZIPCODE: Santa Ana CA		CITY, STATE, AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Grellak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	Analyses TO-14								Comments
1	18708-783	Vapor	2/5/99	1115	Ambient	3	III	24hr	X								
2	18708-784	Vapor	2/5/99	1110	Ambient	2	IV	24hr	X								
3	18708-785	Vapor	2/5/99	1117	Ambient	3	III	24hr	X								
4	18708-786	Vapor	2/5/99	1217	Ambient	3	III	24hr	X								
5	18708-787	Vapor	2/5/99	1320	Ambient	3	III	24hr	X								
6																	
7																	
8																	
9																	
10																	

Linda Tilley 2/5/99

SAMPLES COLLECTED BY: Linda Tilley
COOLER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Linda Tilley	[illegible]			

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) 245923-@ 48.5'	X		X	
(2) 245923-@ 48.5' (Duplicate)	X		X	X
(3) 245923-Ambient	X		X	X
(4) 245923 @ 61.5'	X		X	
(5) 245923 @ 94.5'	X		X	

Comments:
Soil Gas Sampling @ Site 24
5923

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

NO. 0049 P. 4

FEB. 9. 1999 1:09PM

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-783
LAB ID: 136103-0001-SA
Matrix: AIR — Sampled: 05 FEB 99 — Received: 05 FEB 99
Authorized: 05 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 6.7

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		13	ppb (v/v)
Chloromethane	ND		27	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		13	ppb (v/v)
Vinyl chloride	ND		13	ppb (v/v)
Bromomethane	ND		13	ppb (v/v)
Chloroethane	ND		27	ppb (v/v)
Trichlorofluoromethane	ND		13	ppb (v/v)
1,1-Dichloroethene	570		13	ppb (v/v)
Carbon disulfide	ND		67	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	530		13	ppb (v/v)
Acetone	ND		67	ppb (v/v)
Methylene chloride	ND		13	ppb (v/v)
trans-1,2-Dichloroethene	ND		13	ppb (v/v)
Methyl t-butyl ether	ND		67	ppb (v/v)
1,1-Dichloroethane	ND		13	ppb (v/v)
Vinyl acetate	ND		67	ppb (v/v)
cis-1,2-Dichloroethene	ND		13	ppb (v/v)
2-Butanone	ND		67	ppb (v/v)
Chloroform	ND		13	ppb (v/v)
1,1,1-Trichloroethane	ND		13	ppb (v/v)
Carbon tetrachloride	ND		13	ppb (v/v)
Benzene	ND		13	ppb (v/v)
1,2-Dichloroethane	ND		13	ppb (v/v)
Trichloroethene	65		13	ppb (v/v)
1,2-Dichloropropane	ND		13	ppb (v/v)
Bromodichloromethane	ND		13	ppb (v/v)
cis-1,3-Dichloropropene	ND		13	ppb (v/v)
4-Methyl-2-pentanone	ND		67	ppb (v/v)
Toluene	35		33	ppb (v/v)
trans-1,3-Dichloropropene	ND		13	ppb (v/v)
1,1,2-Trichloroethane	ND		13	ppb (v/v)
Tetrachloroethene	ND		13	ppb (v/v)
2-Hexanone	ND		200	ppb (v/v)
Dibromochloromethane	ND		13	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		13	ppb (v/v)
Chlorobenzene	ND		13	ppb (v/v)
Ethylbenzene	ND		13	ppb (v/v)
Xylenes (total)	15		13	ppb (v/v)
Styrene	ND		13	ppb (v/v)
Bromoform	ND		13	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		13	ppb (v/v)
Benzyl chloride	ND		67	ppb (v/v)
4-Ethyltoluene	ND		13	ppb (v/v)
1,3,5-Trimethylbenzene	ND		13	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-783
LAB ID: 136103-0001-SA
Matrix: AIR | Sampled: 05 FEB 99 | Received: 05 FEB 99
Authorized: 05 FEB 99 | Prepared: N/A | Analyzed: 05 FEB 99
Instrument: GC/MS-B | Dilution: 6.7

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		13	ppb (v/v)
1,3-Dichlorobenzene	ND		13	ppb (v/v)
1,4-Dichlorobenzene	ND		13	ppb (v/v)
1,2-Dichlorobenzene	ND		13	ppb (v/v)
1,2,4-Trichlorobenzene	ND		130	ppb (v/v)
Hexachlorobutadiene	ND		27	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-784
LAB ID: 136103-0002-SA
Matrix: AIR — Sampled: 05 FEB 99 — Received: 05 FEB 99
Authorized: 05 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 6.7

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		13	ppb (v/v)
Chloromethane	ND		27	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		13	ppb (v/v)
Vinyl chloride	ND		13	ppb (v/v)
Bromomethane	ND		13	ppb (v/v)
Chloroethane	ND		27	ppb (v/v)
Trichlorofluoromethane	ND		13	ppb (v/v)
1,1-Dichloroethene	680		13	ppb (v/v)
Carbon disulfide	ND		67	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	600		13	ppb (v/v)
Acetone	ND		67	ppb (v/v)
Methylene chloride	ND		13	ppb (v/v)
trans-1,2-Dichloroethene	ND		13	ppb (v/v)
Methyl t-butyl ether	ND		67	ppb (v/v)
1,1-Dichloroethane	ND		13	ppb (v/v)
Vinyl acetate	ND		67	ppb (v/v)
cis-1,2-Dichloroethene	ND		13	ppb (v/v)
2-Butanone	ND		67	ppb (v/v)
Chloroform	ND		13	ppb (v/v)
1,1,1-Trichloroethane	ND		13	ppb (v/v)
Carbon tetrachloride	ND		13	ppb (v/v)
Benzene	ND		13	ppb (v/v)
1,2-Dichloroethane	ND		13	ppb (v/v)
Trichloroethene	300		13	ppb (v/v)
1,2-Dichloropropane	ND		13	ppb (v/v)
Bromodichloromethane	ND		13	ppb (v/v)
cis-1,3-Dichloropropene	ND		13	ppb (v/v)
4-Methyl-2-pentanone	ND		67	ppb (v/v)
Toluene	44		33	ppb (v/v)
trans-1,3-Dichloropropene	ND		13	ppb (v/v)
1,1,2-Trichloroethane	ND		13	ppb (v/v)
Tetrachloroethene	ND		13	ppb (v/v)
2-Hexanone	ND		200	ppb (v/v)
Dibromochloromethane	ND		13	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		13	ppb (v/v)
Chlorobenzene	ND		13	ppb (v/v)
Ethylbenzene	ND		13	ppb (v/v)
Xylenes (total)	18		13	ppb (v/v)
Styrene	ND		13	ppb (v/v)
Bromoform	ND		13	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		13	ppb (v/v)
Benzyl chloride	ND		67	ppb (v/v)
4-Ethyltoluene	ND		13	ppb (v/v)
1,3,5-Trimethylbenzene	ND		13	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-784
LAB ID: 136103-0002-SA
Matrix: AIR
Authorized: 05 FEB 99
Instrument: GC/MS-B

Sampled: 05 FEB 99
Prepared: N/A
Dilution: 6.7

Received: 05 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		13	ppb (v/v)
1,3-Dichlorobenzene	ND		13	ppb (v/v)
1,4-Dichlorobenzene	ND		13	ppb (v/v)
1,2-Dichlorobenzene	ND		13	ppb (v/v)
1,2,4-Trichlorobenzene	ND		130	ppb (v/v)
Hexachlorobutadiene	ND		27	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name:	IT Group		
Client ID:	18708-785		
LAB ID:	136103-0003-SA		
Matrix:	AIR	Sampled: 05 FEB 99	Received: 05 FEB 99
Authorized:	05 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	9.9		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	6.6		2.0	ppb (v/v)
Acetone	20		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	40		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	16		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	2.6		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	4.3		2.0	ppb (v/v)
Xylenes (total)	22		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-785
LAB ID: 136103-0003-SA
Matrix: AIR
Authorized: 05 FEB 99
Instrument: GC/MS-B

Sampled: 05 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 05 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	3.4		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name:	IT Group		
Client ID:	18708-786		
LAB ID:	136103-0004-SA		
Matrix:	AIR	Sampled: 05 FEB 99	Received: 05 FEB 99
Authorized:	05 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	11		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	3.4		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	ND		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	4.2		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-786
LAB ID: 136103-0004-SA
Matrix: AIR Sampled: 05 FEB 99 Received: 05 FEB 99
Authorized: 05 FEB 99 Prepared: N/A Analyzed: 05 FEB 99
Instrument: GC/MS-B Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-787
LAB ID: 136103-0005-SA
Matrix: AIR — Sampled: 05 FEB 99 — Received: 05 FEB 99
Authorized: 05 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 12

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		25	ppb (v/v)
Chloromethane	ND		50	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		25	ppb (v/v)
Vinyl chloride	ND		25	ppb (v/v)
Bromomethane	ND		25	ppb (v/v)
Chloroethane	ND		50	ppb (v/v)
Trichlorofluoromethane	ND		25	ppb (v/v)
1,1-Dichloroethene	2600		25	ppb (v/v)
Carbon disulfide	ND		120	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	1400		25	ppb (v/v)
Acetone	ND		120	ppb (v/v)
Methylene chloride	ND		25	ppb (v/v)
trans-1,2-Dichloroethene	ND		25	ppb (v/v)
Methyl t-butyl ether	ND		120	ppb (v/v)
1,1-Dichloroethane	ND		25	ppb (v/v)
Vinyl acetate	ND		120	ppb (v/v)
cis-1,2-Dichloroethene	ND		25	ppb (v/v)
2-Butanone	ND		120	ppb (v/v)
Chloroform	ND		25	ppb (v/v)
1,1,1-Trichloroethane	ND		25	ppb (v/v)
Carbon tetrachloride	34		25	ppb (v/v)
Benzene	ND		25	ppb (v/v)
1,2-Dichloroethane	ND		25	ppb (v/v)
Trichloroethene	300		25	ppb (v/v)
1,2-Dichloropropane	ND		25	ppb (v/v)
Bromodichloromethane	ND		25	ppb (v/v)
cis-1,3-Dichloropropene	ND		25	ppb (v/v)
4-Methyl-2-pentanone	ND		120	ppb (v/v)
Toluene	ND		62	ppb (v/v)
trans-1,3-Dichloropropene	ND		25	ppb (v/v)
1,1,2-Trichloroethane	ND		25	ppb (v/v)
Tetrachloroethene	ND		25	ppb (v/v)
2-Hexanone	ND		380	ppb (v/v)
Dibromochloromethane	ND		25	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		25	ppb (v/v)
Chlorobenzene	ND		25	ppb (v/v)
Ethylbenzene	ND		25	ppb (v/v)
Xylenes (total)	ND		25	ppb (v/v)
Styrene	ND		25	ppb (v/v)
Bromoform	ND		25	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		25	ppb (v/v)
Benzyl chloride	ND		120	ppb (v/v)
4-Ethyltoluene	ND		25	ppb (v/v)
1,3,5-Trimethylbenzene	ND		25	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-787
LAB ID: 136103-0005-SA
Matrix: AIR
Authorized: 05 FEB 99
Instrument: GC/MS-B

Sampled: 05 FEB 99
Prepared: N/A
Dilution: 12

Received: 05 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		25	ppb (v/v)
1,3-Dichlorobenzene	ND		25	ppb (v/v)
1,4-Dichlorobenzene	ND		25	ppb (v/v)
1,2-Dichlorobenzene	ND		25	ppb (v/v)
1,2,4-Trichlorobenzene	ND		250	ppb (v/v)
Hexachlorobutadiene	ND		50	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18708-783		
LAB ID:	136103-0001-SA		
Matrix:	AIR	Sampled: 05 FEB 99	Received: 05 FEB 99
Authorized:	05 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS	Dilution: 6.7	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.066	ug/L
Chloromethane	ND		0.055	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.093	ug/L
Vinyl chloride	ND		0.034	ug/L
Bromomethane	ND		0.052	ug/L
Chloroethane	ND		0.073	ug/L
Trichlorofluoromethane	ND		0.073	ug/L
1,1-Dichloroethene	2.2		0.053	ug/L
Carbon disulfide	ND		0.21	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0		0.10	ug/L
Acetone	ND		0.16	ug/L
Methylene chloride	ND		0.046	ug/L
trans-1,2-Dichloroethene	ND		0.053	ug/L
Methyl t-butyl ether	ND		0.24	ug/L
1,1-Dichloroethane	ND		0.054	ug/L
Vinyl acetate	ND		0.23	ug/L
cis-1,2-Dichloroethene	ND		0.053	ug/L
2-Butanone	ND		0.19	ug/L
Chloroform	ND		0.065	ug/L
1,1,1-Trichloroethane	ND		0.073	ug/L
Carbon tetrachloride	ND		0.087	ug/L
Benzene	ND		0.043	ug/L
1,2-Dichloroethane	ND		0.054	ug/L
Trichloroethene	0.35		0.073	ug/L
1,2-Dichloropropane	ND		0.061	ug/L
Bromodichloromethane	ND		0.087	ug/L
cis-1,3-Dichloropropene	ND		0.061	ug/L
4-Methyl-2-pentanone	ND		0.27	ug/L
Toluene	0.13		0.13	ug/L
trans-1,3-Dichloropropene	ND		0.061	ug/L
1,1,2-Trichloroethane	ND		0.073	ug/L
Tetrachloroethene	ND		0.093	ug/L
2-Hexanone	ND		0.80	ug/L
Dibromochloromethane	ND		0.11	ug/L
1,2-Dibromoethane (EDB)	ND		0.10	ug/L
Chlorobenzene	ND		0.061	ug/L
Ethylbenzene	ND		0.058	ug/L
Xylenes (total)	0.065		0.058	ug/L
Styrene	ND		0.057	ug/L
Bromoform	ND		0.14	ug/L
1,1,2,2-Tetrachloroethane	ND		0.093	ug/L
Benzyl chloride	ND		0.35	ug/L
4-Ethyltoluene	ND		0.066	ug/L
1,3,5-Trimethylbenzene	ND		0.065	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18708-783
LAB ID: 136103-0001-SA
Matrix: AIR Sampled: 05 FEB 99 Received: 05 FEB 99
Authorized: 05 FEB 99 Prepared: N/A Analyzed: 05 FEB 99
Instrument: GC/MS Dilution: 6.7

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.065	ug/L
1,3-Dichlorobenzene	ND		0.080	ug/L
1,4-Dichlorobenzene	ND		0.080	ug/L
1,2-Dichlorobenzene	ND		0.080	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		0.28	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18708-784		
LAB ID:	136103-0002-SA		
Matrix:	AIR	Sampled: 05 FEB 99	Received: 05 FEB 99
Authorized:	05 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 6.7	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.066	ug/L
Chloromethane	ND		0.055	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.093	ug/L
Vinyl chloride	ND		0.034	ug/L
Bromomethane	ND		0.052	ug/L
Chloroethane	ND		0.073	ug/L
Trichlorofluoromethane	ND		0.073	ug/L
1,1-Dichloroethene	2.7		0.053	ug/L
Carbon disulfide	ND		0.21	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6		0.10	ug/L
Acetone	ND		0.16	ug/L
Methylene chloride	ND		0.046	ug/L
trans-1,2-Dichloroethene	ND		0.053	ug/L
Methyl t-butyl ether	ND		0.24	ug/L
1,1-Dichloroethane	ND		0.054	ug/L
Vinyl acetate	ND		0.23	ug/L
cis-1,2-Dichloroethene	ND		0.053	ug/L
2-Butanone	ND		0.19	ug/L
Chloroform	ND		0.065	ug/L
1,1,1-Trichloroethane	ND		0.073	ug/L
Carbon tetrachloride	ND		0.087	ug/L
Benzene	ND		0.043	ug/L
1,2-Dichloroethane	ND		0.054	ug/L
Trichloroethene	1.6		0.073	ug/L
1,2-Dichloropropane	ND		0.061	ug/L
Bromodichloromethane	ND		0.087	ug/L
cis-1,3-Dichloropropene	ND		0.061	ug/L
4-Methyl-2-pentanone	ND		0.27	ug/L
Toluene	0.17		0.13	ug/L
trans-1,3-Dichloropropene	ND		0.061	ug/L
1,1,2-Trichloroethane	ND		0.073	ug/L
Tetrachloroethene	ND		0.093	ug/L
2-Hexanone	ND		0.80	ug/L
Dibromochloromethane	ND		0.11	ug/L
1,2-Dibromoethane (EDB)	ND		0.10	ug/L
Chlorobenzene	ND		0.061	ug/L
Ethylbenzene	ND		0.058	ug/L
Xylenes (total)	0.077		0.058	ug/L
Styrene	ND		0.057	ug/L
Bromoform	ND		0.14	ug/L
1,1,2,2-Tetrachloroethane	ND		0.093	ug/L
Benzyl chloride	ND		0.35	ug/L
4-Ethyltoluene	ND		0.066	ug/L
1,3,5-Trimethylbenzene	ND		0.065	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18708-784
LAB ID: 136103-0002-SA
Matrix: AIR — Sampled: 05 FEB 99 — Received: 05 FEB 99
Authorized: 05 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 6.7

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.065	ug/L
1,3-Dichlorobenzene	ND		0.080	ug/L
1,4-Dichlorobenzene	ND		0.080	ug/L
1,2-Dichlorobenzene	ND		0.080	ug/L
1,2,4-Trichlorobenzene	ND		1.0	ug/L
Hexachlorobutadiene	ND		0.28	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18708-785
LAB ID: 136103-0003-SA
Matrix: AIR — Sampled: 05 FEB 99 — Received: 05 FEB 99
Authorized: 05 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	0.039		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050		0.015	ug/L
Acetone	0.048		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.21		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.060		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.018		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	0.018		0.0087	ug/L
Xylenes (total)	0.097		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

(cont.)

Client Name: IT Group
Client ID: 18708-785
LAB ID: 136103-0003-SA
Matrix: AIR — Sampled: 05 FEB 99 — Received: 05 FEB 99
Authorized: 05 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	0.017		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18708-786		
LAB ID:	136103-0004-SA		
Matrix:	AIR	Sampled: 05 FEB 99	Received: 05 FEB 99
Authorized:	05 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	0.025		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.018		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	ND		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	0.018		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

(cont.)

Client Name: IT Group
Client ID: 18708-786
LAB ID: 136103-0004-SA
Matrix: AIR
Authorized: 05 FEB 99
Instrument: GC/MS-B

Sampled: 05 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 05 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18708-787		
LAB ID:	136103-0005-SA		
Matrix:	AIR	Sampled: 05 FEB 99	Received: 05 FEB 99
Authorized:	05 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 12	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.12	ug/L
Chloromethane	ND		0.10	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.18	ug/L
Vinyl chloride	ND		0.064	ug/L
Bromomethane	ND		0.098	ug/L
Chloroethane	ND		0.14	ug/L
Trichlorofluoromethane	ND		0.14	ug/L
1,1-Dichloroethene	10		0.099	ug/L
Carbon disulfide	ND		0.39	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	11		0.19	ug/L
Acetone	ND		0.30	ug/L
Methylene chloride	ND		0.086	ug/L
trans-1,2-Dichloroethene	ND		0.099	ug/L
Methyl t-butyl ether	ND		0.45	ug/L
1,1-Dichloroethane	ND		0.10	ug/L
Vinyl acetate	ND		0.44	ug/L
cis-1,2-Dichloroethene	ND		0.099	ug/L
2-Butanone	ND		0.36	ug/L
Chloroform	ND		0.12	ug/L
1,1,1-Trichloroethane	ND		0.14	ug/L
Carbon tetrachloride	0.22		0.16	ug/L
Benzene	ND		0.080	ug/L
1,2-Dichloroethane	ND		0.10	ug/L
Trichloroethene	1.6		0.14	ug/L
1,2-Dichloropropane	ND		0.12	ug/L
Bromodichloromethane	ND		0.16	ug/L
cis-1,3-Dichloropropene	ND		0.11	ug/L
4-Methyl-2-pentanone	ND		0.51	ug/L
Toluene	ND		0.24	ug/L
trans-1,3-Dichloropropene	ND		0.11	ug/L
1,1,2-Trichloroethane	ND		0.14	ug/L
Tetrachloroethene	ND		0.18	ug/L
2-Hexanone	ND		1.5	ug/L
Dibromochloromethane	ND		0.21	ug/L
1,2-Dibromoethane (EDB)	ND		0.19	ug/L
Chlorobenzene	ND		0.12	ug/L
Ethylbenzene	ND		0.11	ug/L
Xylenes (total)	ND		0.11	ug/L
Styrene	ND		0.11	ug/L
Bromoform	ND		0.26	ug/L
1,1,2,2-Tetrachloroethane	ND		0.18	ug/L
Benzyl chloride	ND		0.65	ug/L
4-Ethyltoluene	ND		0.12	ug/L
1,3,5-Trimethylbenzene	ND		0.12	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18708-787
LAB ID: 136103-0005-SA
Matrix: AIR
Authorized: 05 FEB 99
Instrument: GC/MS-B

Sampled: 05 FEB 99
Prepared: N/A
Dilution: 12

Received: 05 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.12	ug/L
1,3-Dichlorobenzene	ND		0.15	ug/L
1,4-Dichlorobenzene	ND		0.15	ug/L
1,2-Dichlorobenzene	ND		0.15	ug/L
1,2,4-Trichlorobenzene	ND		1.9	ug/L
Hexachlorobutadiene	ND		0.52	ug/L

ND = Not Detected

(VS/L)

OHM Remediation Services Corp
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3326

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

219487

FORM 8019 REV. 3-91

OHM's LAB COORDINATOR: Thizar Tinkut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY'S SERVICE ID: Q136077	LABORATORY CONTACT: Maria Jones	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18233	LABORATORY PHONE: 602 965-1006	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Thizar Tinkut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr., Ste. 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Herredor, SW Div.	CITY, STATE AND ZIPCODE: Santa Ana, CA		CITY, STATE AND ZIPCODE: Irvine, CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses: B-14								Comments
1	18233-050	Vapor	2/2/99	0930	Ambient	2	III	24 hr	X								
2	18233-051	Vapor	2/2/99	1015	Ambient	3	III	24 hr	X								
3	18233-052	Vapor	2/2/99	1130	Ambient	3	III	24 hr	X								
4	18233-053	Vapor	2/2/99	1340	Ambient	3	III	24 hr	X								
5																	
6																	
7																	
8																	

Linda Tilley 2/2/99

SAMPLES COLLECTED BY: Linda Tilley	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY: Linda Tilley	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
(1) 24SG47 - Amb	X		X	X
(2) 24SG47 - @ 5'	X		X	
(3) 24SG47 @ 71.5'	X		X	
(4) 24SG47 @ 94'	X		X	

Comments:

(1)-(4) SG47 at Site 24

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

NO. 0055 P. 4
FEB. 3. 1999 9:27AM

D:\GCMSB\990201\B1016.D

Quanterra Air Toxics Lab

Sample Name:	136077-1 OHM	**Data Analyzed:**	2 Feb 1999 19:49
Misc. Info:	500ml 18233-050 TEDLAR	**Method:**	MSB0202
Data Name:	B1016.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.00	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.03	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.38	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene	0.16	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	0.0324	0.0153
12)	Acetone	0.01	0.0982	0.0237
13)	Methylene Chloride	-0.00	0.0090	0.0069
14)	t-1,2-Dichloroethene	0.07	ND	0.0079
15)	1,1-Dichloroethane	0.10	ND	0.0081
16)	Vinyl Acetate	0.21	ND	0.0351
17)	c-1,2-Dichloroethene	0.49	ND	0.0079
18)	2-Butanone	-0.00	ND	0.0294
19)	Chloroform	-0.04	ND	0.0097
20)	1,1,1-Trichloroethane	-0.04	ND	0.0109
21)	Carbon Tetrachloride	0.02	ND	0.0126
23)	Benzene	-0.02	0.0114 F	0.0064
25)	1,2-Dichloroethane	-0.39	ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.49	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.08	ND	0.0409
32)	Toluene	-0.07	0.0861	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.04	ND	0.0109
36)	Tetrachloroethene	-0.02	0.0279	0.0135
37)	2-Hexanone	-0.09	ND	0.1226
38)	Dibromochloromethane	-0.11	ND	0.0170
39)	1,2-Dibromoethane	-0.17	ND	0.0153
40)	Chlorobenzene	0.41	ND	0.0092
41)	Ethylbenzene	0.01	0.0421	0.0087
42)	p,&m-Xylene	0.02	0.1602	0.0087
43)	o-Xylene	0.04	0.0525	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 9'99 9:51 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	136077-1 OHM	**Data Analyzed:**	02/ 2/19 -1:9:
Misc. Info:	500ml 18233-050 TEDLAR	**Method:**	MSB0202
Data Name:	B1016.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.19	ND	0.0137
48)	Benzyl Chloride	-0.21	ND	0.0518
49)	4-Ethyl Toluene	0.03	0.0170	0.0098
50)	1,3,5-Trimethylbenzene	0.07	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.07	0.0188	0.0098
52)	1,3-Dichlorobenzene	0.28	ND	0.0120
53)	1,4-Dichlorobenzene	0.07	ND	0.0120
54)	1,2-Dichlorobenzene	0.17	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.15	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426

MTBE 0.0688 F 0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	334047	OK	7.05	7.04	OK
1,4-Difluorobenzene	1631459	1609594	OK	8.69	8.69	OK
Chlorobenzene-d5	872076	881659	OK	14.00	13.92	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	49.39	98.8
Toluene-d8	50	43.00	86.0
4-Bromofluorobenzene	50	48.25	96.5

Comments:

Foot Notes: F

ug/L conversion only

1st Review: JU 020899 2nd Review

FEB 9 99 9:51 FR 714 258 0921 TO OHM-IRVINE P.03

D:\GCMSB\990201\B1017.D

Quanterra Air Toxics Lab

Sample Name:	136077-2 OHM	Data Analyzed:	3 Feb 1999 9:59
Misc. Info:	100 ML 18233-051 TEDLAR	Method:	MSB0203
Data Name:	B1017.D	Shift Cali.File:	CC02031.D
Data Path:	d:\gcmsb\990201\	Dilution Factor:	5

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.01	ND	0.0493
3)	Chloromethan	0.06	ND	0.0412
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0698
5)	Vinyl Chloride		ND	0.0255
6)	Bromomethan		ND	0.0388
7)	Chloroethane		ND	0.0527
8)	Trichlorofluoromethane (11)		ND	0.0561
9)	1,1-Dichloroethene	0.01	0.5960	0.0396
10)	Carbon Disulfide	0.01	ND	0.1554
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	0.9869	0.0765
12)	Acetone	0.01	0.1575	0.1186
13)	Methylene Chloride	0.01	0.0936	0.0347
14)	t-1,2-Dichloroethene		ND	0.0396
15)	1,1-Dichloroethane	0.01	ND	0.0404
16)	Vinyl Acetate	0.04	ND	0.1757
17)	c-1,2-Dichloroethene	0.01	ND	0.0396
18)	2-Butanone	0.01	ND	0.1472
19)	Chloroform	0.01	0.2847	0.0487
20)	1,1,1-Trichloroethane	0.01	ND	0.0545
21)	Carbon Tetrachloride	0.03	ND	0.0628
23)	Benzene	0.01	ND	0.0319
25)	1,2-Dichloroethane		ND	0.0404
26)	Trichloroethene	0.01	6.0987	0.0536
27)	1,2-Dichloropropane	-0.30	~~0.0498~~ ND (RT)	0.0461
28)	Bromodichloromethane		ND	0.0669
29)	c-1,3-Dichloropropene	-0.03	ND	0.0453
30)	4-Methyl-2-Pentanone	-0.02	ND	0.2044
32)	Toluene	-0.00	0.1333	~~0.0378~~ 0.0940
34)	t-1,3-Dichloropropene	-0.35	ND	0.0453
35)	1,1,2-Trichloroethane	0.33	ND	0.0545
36)	Tetrachloroethene	-0.02	ND	0.0677
37)	2-Hexanone	0.05	ND	0.6132
38)	Dibromochloromethane	-0.10	ND	0.0850
39)	1,2-Dibromoethane	-0.23	ND	0.0767
40)	Chlorobenzene		ND	0.0459
41)	Ethylbenzene	-0.01	0.0483	0.0433
42)	p,&m-Xylene	-0.03	0.1684	0.0433
43)	o-Xylene	-0.03	0.0563	0.0433
44)	Styrene	-0.05	ND	0.0425
45)	Bromoform		ND	0.1032

FEB 9'99 9:51 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	136077-2 OHM	Data Analyzed:	02/ 3/19 -1:9:
Misc. Info:	100 ML 18233-051 TEDLAR	Method:	MSB0203
Data Name:	B1017.D	Shift Call.File:	CC02031.D
Data Path:	d:\gcmsb\990201\	Dilution Factor:	5

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.16	ND	0.0685
48)	Benzyl Chloride	-0.05	ND	0.2588
49)	4-Ethyl Toluene	-0.07	ND	0.0491
50)	1,3,5-Trimethylbenzene	-0.04	ND	0.0491
51)	1,2,4-Trimethylbenzene	-0.02	ND	0.0491
52)	1,3-Dichlorobenzene	-0.03	ND	0.0600
53)	1,4-Dichlorobenzene	-0.02	ND	0.0600
54)	1,2-Dichlorobenzene		ND	0.0600
55)	1,2,4-Trichlorobenzene	-0.03	ND	0.7406
56)	Hexachlorobutadiene		ND	0.2129
	MTBE		ND	0.160

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	379776	365315	OK	7.07	7.05	OK
1,4-Difluorobenzene	1825135	1932514	OK	8.69	8.69	OK
Chlorobenzene-d5	957298	962200	OK	13.99	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.91	95.8
Toluene-d8	50	48.07	96.1
4-Bromofluorobenzene	50	48.09	96.2

Comments:

Foot Notes: ug/L conversion only

1st Review: DO 020899 2nd Review

D:\GCMSB\990201\B1015.D

Quanterra Air Toxics Lab

Sample Name:	136077-3 OHM	**Data Analyzed:**	2 Feb 1999 19:22
Misc. Info:	500ml 18233-052 TEDLAR	**Method:**	MSB0202
Data Name:	B1015.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.06	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.33	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.00	ND	0.0112
9)	1,1-Dichloroethene	0.01	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	0.01	0.0709	0.0237
13)	Methylene Chloride	0.01	0.0072	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.20	ND	0.0081
16)	Vinyl Acetate	0.22	~~0.0501~~ ND(AT)	0.0351
17)	c-1,2-Dichloroethene	-0.09	ND	0.0079
18)	2-Butanone	0.01	ND	0.0294
19)	Chloroform	-0.01	ND	0.0097
20)	1,1,1-Trichloroethane	0.02	ND	0.0109
21)	Carbon Tetrachloride	0.02	ND	0.0126
23)	Benzene	-0.02	0.0102 F	0.0064
25)	1,2-Dichloroethane	0.09	ND	0.0081
26)	Trichloroethene	0.00	0.1849	0.0107
27)	1,2-Dichloropropane	-0.08	~~0.0257~~ ND(AT)	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.37	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.31	ND	0.0409
32)	Toluene	-0.06	0.2168	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.33	ND	0.0091
35)	1,1,2-Trichloroethane	-0.07	ND	0.0109
36)	Tetrachloroethene	-0.02	0.0204	0.0135
37)	2-Hexanone	0.01	ND	0.1226
38)	Dibromochloromethane	-0.16	ND	0.0170
39)	1,2-Dibromoethane	-0.16	ND	0.0153
40)	Chlorobenzene	-0.01	ND	0.0092
41)	Ethylbenzene	0.00	0.0306	0.0087
42)	p,&m-Xylene	0.01	0.1152	0.0087
43)	o-Xylene	0.02	0.0387	0.0087
44)	Styrene	0.01	ND	0.0085
45)	Bromoform		ND	0.0206

D:\GCMSB\990201\B1015.D

Sample Name:	136077-3 OHM	**Data Analyzed:**	02/ 2/19 -1:9:
Misc. Info:	500ml 18233-052 TEDLAR	**Method:**	MSB0202
Data Name:	B1015.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.01	ND	0.0137
48)	Benzyl Chloride	0.42	ND	0.0518
49)	4-Ethyl Toluene	0.00	0.0167	0.0098
50)	1,3,5-Trimethylbenzene	0.06	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.14	0.0200	0.0098
52)	1,3-Dichlorobenzene	0.12	ND	0.0120
53)	1,4-Dichlorobenzene	0.13	ND	0.0120
54)	1,2-Dichlorobenzene	-0.39	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.14	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	387069	OK	7.05	7.05	OK
1,4-Difluorobenzene	1631459	1891481	OK	8.69	8.68	OK
Chlorobenzene-d5	872076	949366	OK	14.00	13.93	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.38	110.8
Toluene-d8	50	39.68	79.4
4-Bromofluorobenzene	50	52.21	104.4

Comments:

Foot Notes: F

ug/L conversion only
NO 020899

1st Review: 2nd Review

Quanterra Air Toxics Lab

Sample Name:	136077-4 OHM	**Data Analyzed:**	3 Feb 1999 10:27
Misc. Info:	20 ML 18233-053 TEDLAR	**Method:**	MSB0203
Data Name:	B1018.D	**Shift Cali.File:**	CC02031.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.02	ND	0.2468
3)	Chloromethan	0.24	ND	0.2061
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.47	ND	0.3488
5)	Vinyl Chloride		ND	0.1276
6)	Bromomethan	0.38	ND	0.1938
7)	Chloroethane	-0.05	ND	0.2633
8)	Trichlorofluoromethane (11)		ND	0.2804
9)	1,1-Dichloroethene	-0.00	12.5262	0.1979
10)	Carbon Disulfide	0.01	ND	0.7770
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	13.7855	0.3824
12)	Acetone	-0.04	ND	0.5928
13)	Methylene Chloride	-0.00	ND	0.1734
14)	t-1,2-Dichloroethene		ND	0.1979
15)	1,1-Dichloroethane	-0.01	ND	0.2020
16)	Vinyl Acetate	0.04	ND	0.8785
17)	c-1,2-Dichloroethene	-0.00	ND	0.1979
18)	2-Butanone	0.05	ND	0.7358
19)	Chloroform	0.02	0.3581	0.2437
20)	1,1,1-Trichloroethane	0.04	ND	0.2723
21)	Carbon Tetrachloride	0.03	1.0167	0.3139
23)	Benzene	0.02	ND	0.1594
25)	1,2-Dichloroethane		ND	0.2020
26)	Trichloroethene	-0.00	34.5672	0.2682
27)	1,2-Dichloropropane	-0.33	ND	0.2306
28)	Bromodichloromethane		ND	0.3344
29)	c-1,3-Dichloropropene		ND	0.2265
30)	4-Methyl-2-Pentanone	-0.52	ND	1.0220
32)	Toluene	-0.03	~~0.2715~~ ND	~~0.1881~~ 0.470
34)	t-1,3-Dichloropropene		ND	0.2265
35)	1,1,2-Trichloroethane	-0.03	ND	0.2723
36)	Tetrachloroethene	-0.02	ND	0.3385
37)	2-Hexanone	-0.10	ND	3.0660
38)	Dibromochloromethane	-0.45	ND	0.4251
39)	1,2-Dibromoethane		ND	0.3834
40)	Chlorobenzene		ND	0.2297
41)	Ethylbenzene	-0.03	ND	0.2167
42)	p,&m-Xylene	-0.01	ND	0.2167
43)	o-Xylene	-0.04	ND	0.2167
44)	Styrene	-0.01	ND	0.2126
45)	Bromoform		ND	0.5158

FEB 9'99 9:52 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	136077-4 OHM	**Data Analyzed:**	02/ 3/19 -1:0:
Misc. Info:	20 ML 18233-053 TEDLAR	**Method:**	MSB0203
Data Name:	B1018.D	**Shift Cali.File:**	CC02031.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.21	ND	0.3426
48)	Benzyl Chloride	0.20	ND	1.2940
49)	4-Ethyl Toluene	-0.09	ND	0.2453
50)	1,3,5-Trimethylbenzene	-0.01	ND	0.2453
51)	1,2,4-Trimethylbenzene	0.02	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene	-0.16	ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene	0.01	ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.899

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	379776	380419	OK	7.07	7.06	OK
1,4-Difluorobenzene	1825135	1891730	OK	8.69	8.72	OK
Chlorobenzene-d5	957298	847877	OK	13.99	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.04	94.1
Toluene-d8	50	43.49	87.0
4-Bromofluorobenzene	50	45.05	90.1

Comments:

Foot Notes:

ug/L conversion only

1st Review: PO 020899 2nd Review

FEB 9'99 9:53 FR 714 258 0921 TO OHM-IRVINE P.09

OHM Remediation Services Corp
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY
219485
FORM 0019 REV. 2-93

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Thizar Tinhut-Williams	(949) 660-5300	(949) 475-5433	Q136071	Maria Jones	OHM Remediation

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
Soil Gas @ Site 24	MCAS El Toro	18233	(626) 965-1006		Duwayne Ishida

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Thizar Tinhut-Williams	(949) 660-5300	(949) 475-5433	Quanterra	3347 Michelson Dr., Ste 200

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
MCAS El Toro	Santa Ana, CA	Lynn Homecker, SW Div.	City of Industry, CA	Irvine, CA

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Bill Sedlak	(949) 660-5300	(949) 475-5433

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	18233-043	Vapor	2/1/99	0910	Ambient	2	III	24hr	X	Analyze 'A' Bag First
2	18233-044	Vapor	2/1/99	0940	Ambient	3	III	24hr	X	
3	18233-045	Vapor	2/1/99	1120	Ambient	3	III	24hr	X	
4	18233-046	Vapor	2/1/99	1235	Ambient	3	III	24hr	X	
5	18233-047	Vapor	2/1/99	1457	Ambient	2	III	24hr	X	
6	18233-048	Vapor	2/1/99	1525	Ambient	3	III	24hr	X	
7	18233-049	Vapor	2/1/99	1530	Ambient	2	III	24hr	X	
8										
9										
10										

J. Sedlak 2/1/99

Sample Point Location	G	C	F	QC
(1) 24SG24 - Amb	X		X	X
(2) 24SG24 @ 53'	X		X	
(3) 24SG24 @ 75'	X		X	
(4) 24SG24 @ 95.5'	X		X	
(5) 24SG136 - Amb	X		X	X
(6) 24SG136 - @ 46.5'	X		X	
(7) 24SG136 @ 46.5' (Duplicate)	X		X	X

SAMPLES COLLECTED BY: Linda Tuley

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Linda Tuley				

Comments:
Soil Gas Sampling @ Site 24
(1)-(4) Location 24
(5)-(7) Location 136

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Quanterra Air Toxics Lab

Sample Name:	138071-1 OHM	**Data Analyzed:**	1 Feb 1999 19:19
Misc. Info:	500ml 18233-043 YEDLAR	**Method:**	MSB0201
Data Name:	B0997.D	**Shift Cali.File:**	CC02011.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.09	ND	0.0099
3)	Chloromethan	0.03	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	-0.01	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.02	ND	0.0112
9)	1,1-Dichloroethene	-0.20	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.03	ND	0.0153
12)	Acetone	-0.00	0.0432	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethane		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.07	ND	0.0351
17)	c-1,2-Dichloroethene	-0.04	ND	0.0079
18)	2-Butanone	0.02	ND	0.0294
19)	Chloroform	0.07	ND	0.0097
20)	1,1,1-Trichloroethane	-0.02	ND	0.0109
21)	Carbon Tetrachloride	-0.01	ND	0.0126
23)	Benzene	0.00	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	0.00	0.0153	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.17	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.04	ND	0.0409
32)	Toluene	-0.08	0.0413	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.13	ND	~~0.0091~~ 0.0091
35)	1,1,2-Trichloroethane	0.06	ND	0.0109
36)	Tetrachloroethene	-0.02	ND	0.0135
37)	2-Hexanone	-0.08	ND	0.1226
38)	Dibromochloromethane	-0.09	ND	0.0170
39)	1,2-Dibromoethane	-0.23	ND	0.0153
40)	Chlorobenzene	-0.02	ND	0.0092
41)	Ethylbenzene	0.00	ND	0.0087
42)	p,&m-Xylene	0.01	0.0234	0.0087
43)	o-Xylene	0.03	0.0107	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 9'99 9:56 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	136071-1 OHM	**Data Analyzed:**	02/ 1/19 -1:9:
Misc. Info:	500ml 18233-043 YEDLAR	**Method:**	MSB0201
Data Name:	B0997.D	**Shift Call.File:**	CC02011.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.07	ND	0.0137
48)	Benzyl Chloride	0.02	ND	0.0518
49)	4-Ethyl Toluene	0.03	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.07	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.11	0.0127	0.0098
52)	1,3-Dichlorobenzene	0.16	ND	0.0120
53)	1,4-Dichlorobenzene	-0.06	ND	0.0120
54)	1,2-Dichlorobenzene	0.14	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.15	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	382732	338748	OK	7.06	7.05	OK
1,4-Difluorobenzene	1937335	1532127	OK	8.69	8.69	OK
Chlorobenzene-d5	1062843	815801	OK	13.98	13.90	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.09	100.2
Toluene-d8	50	43.29	86.6
4-Bromofluorobenzene	50	49.16	98.3

Comments:

Foot Notes:

1st Review: ug/L only no 010899 2nd Review
conversion

Quanterra Air Toxics Lab

Sample Name:	136071-2 OHM	**Data Analyzed:**	2 Feb 1999 11:42
Misc. Info:	500ml 18233-044 TEDLAR	**Method:**	MSB0201
Data Name:	B0999.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.03	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.01	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	-0.00	0.0304	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.21	ND	0.0081
16)	Vinyl Acetate	-0.08	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.04	ND	0.0294
19)	Chloroform	0.18	ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	-0.03	ND	0.0126
23)	Benzene	-0.00	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	-0.01	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.40	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.34	ND	0.0409
32)	Toluene	-0.06	0.0504	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.47	ND	0.0091
35)	1,1,2-Trichloroethane	0.12	ND	0.0109
36)	Tetrachloroethene	-0.03	ND	0.0135
37)	2-Hexanone	0.01	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	-0.21	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.01	ND	0.0087
42)	p,&m-Xylene	0.01	0.0130	0.0087
43)	o-Xylene	0.00	ND	0.0087
44)	Styrene	0.03	ND	0.0085
45)	Bromoform		ND	0.0206

TO14

FEB 9'99 9:56 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	136071-2 OHM	**Data Analyzed:**	02/ 2/19 -1:1:
Misc. Info:	500ml 18233-044 TEDLAR	**Method:**	MSB0201
Data Name:	B0999.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.11	ND	0.0137
48)	Benzyl Chloride	-0.02	ND	0.0518
49)	4-Ethyl Toluene	-0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.04	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.03	ND	0.0098
52)	1,3-Dichlorobenzene	0.07	ND	0.0120
53)	1,4-Dichlorobenzene	-0.15	ND	0.0120
54)	1,2-Dichlorobenzene	0.05	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.08	ND	0.1481
56)	Hexachlorobutadiene	0.11	ND	0.0426

MTBE ND 0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	352818	OK	7.05	7.05	OK
1,4-Difluorobenzene	1631459	1698947	OK	8.69	8.68	OK
Chlorobenzene-d5	872076	894268	OK	14.00	13.95	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.63	95.3
Toluene-d8	50	42.26	84.5
4-Bromofluorobenzene	50	49.66	99.3

Comments:

Foot Notes:

ug/L conversion only
do 020899

1st Review: 2nd Review

Quanterra Air Toxics Lab

Sample Name:	136071-3 OHM	**Data Analyzed:**	2 Feb 1999 12:09
Misc. Info:	25ml 18233-045 TEDLAR	**Method:**	MSB0202
Data Name:	B1000.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	20

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.06	ND	0.1974
3)	Chloromethan	-0.19	ND	0.1649
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.47	ND	0.2790
5)	Vinyl Chloride		ND	0.1020
6)	Bromomethan		ND	0.1550
7)	Chloroethane		ND	0.2106
8)	Trichlorofluoromethane (11)		ND	0.2243
9)	1,1-Dichloroethene	-0.02	10.2330	0.1583
10)	Carbon Disulfide	0.08	ND	0.6216
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	27.9435	0.3059
12)	Acetone	-0.05	~~0.5492~~ ND	0.4742
13)	Methylene Chloride		ND	0.1387
14)	t-1,2-Dichloroethene		ND	0.1583
15)	1,1-Dichloroethane	-0.02	ND	0.1616
16)	Vinyl Acetate	-0.09	ND	0.7028
17)	c-1,2-Dichloroethene	-0.18	ND	0.1583
18)	2-Butanone	0.32	ND	0.5886
19)	Chloroform	-0.01	ND	0.1949
20)	1,1,1-Trichloroethane	0.05	ND	0.2178
21)	Carbon Tetrachloride	-0.01	0.4954	0.2511
23)	Benzene	-0.01	ND	0.1275
25)	1,2-Dichloroethane		ND	0.1616
26)	Trichloroethene	0.01	2.3468	0.2145
27)	1,2-Dichloropropene		ND	0.1845
28)	Bromodichloromethane	-0.04	ND	0.2675
29)	c-1,3-Dichloropropene	-0.25	ND	0.1812
30)	4-Methyl-2-Pentanone	-0.01	ND	0.8176
32)	Toluene	-0.02	ND	~~0.1504~~ 0.376
34)	t-1,3-Dichloropropene	-0.10	ND	0.1812
35)	1,1,2-Trichloroethane	0.12	ND	0.2178
36)	Tetrachloroethene	0.02	ND	0.2708
37)	2-Hexanone		ND	2.4528
38)	Dibromochloromethane		ND	0.3401
39)	1,2-Dibromoethane		ND	0.3067
40)	Chlorobenzene		ND	0.1838
41)	Ethylbenzene	-0.02	ND	0.1733
42)	p,&m-Xylene	0.01	ND	0.1733
43)	o-Xylene	-0.02	ND	0.1733
44)	Styrene		ND	0.1700
45)	Bromoform		ND	0.4126

FEB 3 99 9:57 FR 714 258 0921 TO UHM-IRVINE P.06

Sample Name:	136071-3 OHM	**Data Analyzed:**	02/ 2/19 -1:2:
Misc. Info:	25ml 18233-045 TEDLAR	**Method:**	MSB0201
Data Name:	B1000.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	20

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.11	ND	0.2740
48)	Benzyl Chloride	-0.01	ND	1.0352
49)	4-Ethyl Toluene	0.06	ND	0.1962
50)	1,3,5-Trimethylbenzene	-0.03	ND	0.1962
51)	1,2,4-Trimethylbenzene	-0.03	ND	0.1962
52)	1,3-Dichlorobenzene		ND	0.2400
53)	1,4-Dichlorobenzene		ND	0.2400
54)	1,2-Dichlorobenzene		ND	0.2400
55)	1,2,4-Trichlorobenzene	-0.41	ND	2.9624
56)	Hexachlorobutadiene		ND	0.8514
	MTBE		ND	0.720

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	262631	OK	7.05	7.07	OK
1,4-Difluorobenzene	1631459	1188066	OK	8.69	8.72	OK
Chlorobenzene-d5	872076	605555	OK	14.00	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.65	97.3
Toluene-d8	50	47.81	95.6
4-Bromofluorobenzene	50	49.20	98.4

Comments:

Foot Notes:

ug/L conversion only

1st Review: DO 020899 2nd Review

FEB 9'99 9:57 FR 714 258 0921 TO OHM-IRVINE P.07

D:\GCMSB\990201\B1001.D

Quanterra Air Toxics Lab

Sample Name:	136071-4 OHM	**Data Analyzed:**	2 Feb 1999 12:36
Misc. Info:	500ml 18233-046 TEDLAR	**Method:**	MSB0202
Data Name:	B1001.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.00	ND	0.0099
3)	Chloromethan	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)		ND	0.0112
9)	1,1-Dichloroethene	-0.01	0.1602	0.0079
10)	Carbon Disulfide	-0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	0.5793	0.0153
12)	Acetone	0.01	0.0530	0.0237
13)	Methylene Chloride	-0.02	0.0075	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	0.01	ND	0.0081
16)	Vinyl Acetate	-0.01	ND	0.0351
17)	c-1,2-Dichloroethene	0.31	ND	0.0079
18)	2-Butanone	0.00	ND	0.0294
19)	Chloroform	-0.00	ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	-0.00	0.0129	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	-0.01	0.1408	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.40	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.04	ND	0.0409
32)	Toluene	-0.04	0.1532	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.12	ND	0.0109
36)	Tetrachloroethene	-0.02	0.0154	0.0135
37)	2-Hexanone	0.03	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene	-0.01	ND	0.0092
41)	Ethylbenzene	0.01	ND	0.0087
42)	p,&m-Xylene	0.01	0.0204	0.0087
43)	o-Xylene	0.01	ND	0.0087
44)	Styrene	0.03	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 9'99 9:57 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	136071-4 OHM	**Data Analyzed:**	02/ 2/19 -1:2:
Misc. Info:	500ml 18233-046 TEDLAR	**Method:**	MSB0201
Data Name:	B1001.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.07	ND	0.0137
48)	Benzyl Chloride	0.03	ND	0.0518
49)	4-Ethyl Toluene	-0.02	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.00	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.02	ND	0.0098
52)	1,3-Dichlorobenzene	0.03	ND	0.0120
53)	1,4-Dichlorobenzene	-0.21	ND	0.0120
54)	1,2-Dichlorobenzene	-0.49	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.09	ND	0.1481
56)	Hexachlorobutadiene	0.09	ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	367305	OK	7.05	7.05	OK
1,4-Difluorobenzene	1631459	1640666	OK	8.69	8.69	OK
Chlorobenzene-d5	872076	793973	OK	14.00	13.97	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.18	100.4
Toluene-d8	50	50.45	100.9
4-Bromofluorobenzene	50	50.81	101.6

Comments:

Foot Notes:

ug/L conversion only

1st Review: NO 020899 2nd Review

FEB 9 99 9:58 FR 714 258 0921 TO OHM-IRVINE P.09

D:\GCMSB\990201\B1002.D

Quanterra Air Toxics Lab

Sample Name:	136071-5 OHM	**Data Analyzed:**	2 Feb 1999 13:03
Misc. Info:	500ml 18233-047 TEDLAR	**Method:**	MSB0207
Data Name:	B1002.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.01	ND	0.0099
3)	Chloromethan	-0.04	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride	-0.02	ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene	0.00	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	0.00	0.0671	0.0237
13)	Methylene Chloride	-0.02	0.0096 F	0.0069
14)	t-1,2-Dichloroethene	0.11	ND	0.0079
15)	1,1-Dichloroethane	0.02	ND	0.0081
16)	Vinyl Acetate	0.21	~~0.1204~~ ND	0.0351
17)	c-1,2-Dichloroethene	-0.16	ND	0.0079
18)	2-Butanone	0.00	ND	0.0294
19)	Chloroform	0.18	~~0.0111~~ ND	0.0097
20)	1,1,1-Trichloroethane	-0.00	ND	0.0109
21)	Carbon Tetrachloride	-0.00	ND	0.0126
23)	Benzene	-0.01	0.0084 F	0.0064
25)	1,2-Dichloroethane	-0.16	~~0.0144~~ ND	0.0081
26)	Trichloroethene	-0.01	0.0115	0.0107
27)	1,2-Dichloropropane	-0.07	~~0.0285~~ ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.48	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.31	ND	0.0409
32)	Toluene	-0.05	0.1560	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.25	ND	0.0091
35)	1,1,2-Trichloroethane	0.09	ND	0.0109
36)	Tetrachloroethene	-0.01	0.0152	0.0135
37)	2-Hexanone	-0.08	ND	0.1226
38)	Dibromochloromethane	0.00	ND	0.0170
39)	1,2-Dibromoethane	-0.06	ND	0.0153
40)	Chlorobenzene	0.38	ND	0.0092
41)	Ethylbenzene	0.00	ND	0.0087
42)	p,&m-Xylene	0.02	0.0226	0.0087
43)	o-Xylene	0.04	0.0102	0.0087
44)	Styrene	0.02	ND	0.0085
45)	Bromoform		ND	0.0206

Sample Name:	136071-5 OHM	**Data Analyzed:**	02/ 2/19 -1:3:
Misc. Info:	500ml 18233-047 TEDLAR	**Method:**	MSB0201
Data Name:	B1002.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.17	ND	0.0137
48)	Benzyl Chloride	0.20	ND	0.0518
49)	4-Ethyl Toluene	0.02	0.0103	0.0098
50)	1,3,5-Trimethylbenzene	0.06	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.05	0.0145	0.0098
52)	1,3-Dichlorobenzene	0.05	ND	0.0120
53)	1,4-Dichlorobenzene	-0.17	ND	0.0120
54)	1,2-Dichlorobenzene	0.36	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.10	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	370103	OK	7.05	7.06	OK
1,4-Difluorobenzene	1631459	1768037	OK	8.69	8.69	OK
Chlorobenzene-d5	872076	822837	OK	14.00	13.95	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.61	107.2
Toluene-d8	50	48.55	97.1
4-Bromofluorobenzene	50	49.22	98.4

Comments:

Foot Notes: ug/L conversion only

1st Review: 10 020899 2nd Review

FEB 9'99 9:58 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	136071-6 OHM	**Data Analyzed:**	2 Feb 1999 13:31
Misc. Info:	1ml 18233-048 TEDLAR	**Method:**	MSB020R
Data Name:	B1003.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	500

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1		ND	4.9350
3)	Chloromethan	-0.17	ND	4.1220
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.37	ND	6.9760
5)	Vinyl Chloride		ND	2.5510
6)	Bromomethan		ND	3.8750
7)	Chloroethane		ND	5.2660
8)	Trichlorofluoromethane (11)		ND	5.6070
9)	1,1-Dichloroethene	0.07	ND	3.9570
10)	Carbon Disulfide	0.07	ND	15.5400
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	876.1433	7.6480
12)	Acetone	-0.05	~~43.3193~~ ND	11.8550
13)	Methylene Chloride		ND	3.4670
14)	t-1,2-Dichloroethene		ND	3.9570
15)	1,1-Dichloroethane		ND	4.0390
16)	Vinyl Acetate	-0.10	ND	17.5700
17)	c-1,2-Dichloroethene		ND	3.9570
18)	2-Butanone		ND	14.7150
19)	Chloroform	0.33	ND	4.8730
20)	1,1,1-Trichloroethane		ND	5.4450
21)	Carbon Tetrachloride	0.01	ND	6.2780
23)	Benzene	-0.02	ND	3.1880
25)	1,2-Dichloroethane		ND	4.0390
26)	Trichloroethene	-0.00	ND	5.3630
27)	1,2-Dichloropropane		ND	4.6120
28)	Bromodichloromethane		ND	6.6870
29)	c-1,3-Dichloropropene	0.03	ND	4.5290
30)	4-Methyl-2-Pentanone	-0.03	ND	20.4400
32)	Toluene	0.00	ND	~~3.7610~~ 9.40
34)	t-1,3-Dichloropropene	0.41	ND	4.5290
35)	1,1,2-Trichloroethane		ND	5.4450
36)	Tetrachloroethene		ND	6.7690
37)	2-Hexanone		ND	61.3200
38)	Dibromochloromethane		ND	8.5020
39)	1,2-Dibromoethane		ND	7.6680
40)	Chlorobenzene		ND	4.5940
41)	Ethylbenzene	0.22	ND	4.3330
42)	p,&m-Xylene	0.02	ND	4.3330
43)	o-Xylene	-0.03	ND	4.3330
44)	Styrene		ND	4.2510
45)	Bromoform		ND	10.3160

Sample Name:	136071-6 OHM	**Data Analyzed:**	02/ 2/19 -1:3:
Misc. Info:	1ml 18233-048 TEDLAR	**Method:**	MSB0201
Data Name:	B1003.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	500

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.48	ND	6.8510
48)	Benzyl Chloride	0.38	ND	25.8800
49)	4-Ethyl Toluene	0.05	ND	4.9060
50)	1,3,5-Trimethylbenzene	0.34	ND	4.9060
51)	1,2,4-Trimethylbenzene	-0.18	ND	4.9060
52)	1,3-Dichlorobenzene		ND	6.0000
53)	1,4-Dichlorobenzene		ND	6.0000
54)	1,2-Dichlorobenzene	0.30	ND	6.0000
55)	1,2,4-Trichlorobenzene	0.03	ND	74.0600
56)	Hexachlorobutadiene		ND	21.2860
	MTBE		ND	~~D~~ 17.98

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	356695	OK	7.05	7.06	OK
1,4-Difluorobenzene	1631459	1767367	OK	8.69	8.71	OK
Chlorobenzene-d5	872076	789258	OK	14.00	14.00	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	46.06	92.1
Toluene-d8	50	46.43	92.9
4-Bromofluorobenzene	50	43.18	86.4

Comments:

Foot Notes:

ug/L conversion only
DO 020899

1st Review: 2nd Review

FEB 9'99 9:59 FR 714 258 0921 TO OHM-IRVINE P.13

Quanterra Air Toxics Lab

Sample Name:	136071-7 OHM	**Data Analyzed:**	2 Feb 1999 13:58
Misc. Info:	1ml 18233-049 TEDLAR	**Method:**	MSB0202
Data Name:	B1004.D	**Shift Call.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	500

Compound	dRT	Result(ug/L)	RL(ug/L)
2) Dichlorodifluoromethane (1		ND	4.9350
3) Chloromethan		ND	4.1220
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	6.9760
5) Vinyl Chloride		ND	2.5510
6) Bromomethan		ND	3.8750
7) Chloroethane		ND	5.2660
8) Trichlorofluoromethane (11)		ND	5.6070
9) 1,1-Dichloroethene		ND	3.9570
10) Carbon Disulfide	-0.02	ND	15.5400
11) 1,1,2-Cl 1,2,2-F ethane (113)	950.7	~~ND~~	7.6480
12) Acetone		ND	11.8550
13) Methylene Chloride		ND	3.4670
14) t-1,2-Dichloroethene		ND	3.9570
15) 1,1-Dichloroethane		ND	4.0390
16) Vinyl Acetate	-0.06	ND	17.5700
17) c-1,2-Dichloroethene		ND	3.9570
18) 2-Butanone		ND	14.7150
19) Chloroform	-0.06	ND	4.8730
20) 1,1,1-Trichloroethane	-0.06	ND	5.4450
21) Carbon Tetrachloride		ND	6.2780
23) Benzene		ND	3.1880
25) 1,2-Dichloroethane		ND	4.0390
26) Trichloroethene		ND	5.3630
27) 1,2-Dichloropropane		ND	4.6120
28) Bromodichloromethane	-0.51	ND	6.6870
29) c-1,3-Dichloropropene		ND	4.5290
30) 4-Methyl-2-Pentanone		ND	20.4400
32) Toluene	-0.00	ND	~~3.7810~~ 9.4D
34) t-1,3-Dichloropropene		ND	4.5290
35) 1,1,2-Trichloroethane		ND	5.4450
36) Tetrachloroethene	0.02	ND	6.7690
37) 2-Hexanone		ND	61.3200
38) Dibromochloromethane		ND	8.5020
39) 1,2-Dibromoethane		ND	7.6680
40) Chlorobenzene		ND	4.5940
41) Ethylbenzene	0.19	ND	4.3330
42) p,&m-Xylene	-0.34	ND	4.3330
43) o-Xylene	0.25	ND	4.3330
44) Styrene		ND	4.2510
45) Bromoform		ND	10.3160

Sample Name:	136071-7 OHM	**Data Analyzed:**	02/ 2/19 -1:3:
Misc. Info:	1ml 18233-049 TEDLAR	**Method:**	MSB0201
Data Name:	B1004.D	**Shift Cali.File:**	CC02021.D
Data Path:	D:\GCMSB\990201\	**Dilution Factor:**	500

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.29	ND	6.8510
48)	Benzyl Chloride	0.01	ND	25.8800
49)	4-Ethyl Toluene	0.17	ND	4.9060
50)	1,3,5-Trimethylbenzene	0.07	ND	4.9060
51)	1,2,4-Trimethylbenzene		ND	4.9060
52)	1,3-Dichlorobenzene		ND	6.0000
53)	1,4-Dichlorobenzene		ND	6.0000
54)	1,2-Dichlorobenzene		ND	6.0000
55)	1,2,4-Trichlorobenzene		ND	74.0600
56)	Hexachlorobutadiene		ND	21.2860

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	355034	359513	OK	7.05	7.07	OK
1,4-Difluorobenzene	1631459	1723739	OK	8.69	8.72	OK
Chlorobenzene-d5	872076	746395	OK	14.00	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	46.79	93.6
Toluene-d8	50	43.09	86.2
4-Bromofluorobenzene	50	47.86	95.7

Comments:

Foot Notes:

ug/L conversion only

1st Review: 110 020899 2nd Review

FEB 9'99 9:59 FR 714 258 0921 TO OHM-IRVINE P.15

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219499
FORM 0019 REV. 1-97

PROJ. LAB COORDINATOR: Lizar Tuttle-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5233	LABORATORY SERVICES ID: Q1	LABORATORY CONTACT:	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 258-8610	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Lizar Tuttle-Williams	PROJECT MANAGER PHONE: (949) 660-5300	PROJECT FAX: (949) 475-5233	LABORATORY ADDRESS: Quanterra		ADDRESS: 33117 Michelson Dr., Ste 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: Lynn Hamerlinck SWDiv	CITY, STATE AND ZIPCODE: Santa Ana CA		CITY, STATE, AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5233			

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO-14	Comments
1	18708-793	Vapor	2/18/99	0935	Ambient	2	III	24 hr	X	Analyze only if 18708-796 is detected for TCE
2	18708-794	Vapor	2/18/99	1000	Ambient	3	III	24 hr	X	
3	18708-795	Vapor	2/18/99	1055	Ambient	3	III	24 hr	X	
4	18708-796	Vapor	2/18/99	1110	Ambient	2	III	24 hr	X	
5	18708-797	Vapor	2/18/99	1210	Ambient	3	III	24 hr	X	
6										
7										
8										
9										
10										

Stanley 2/18/99

SAMPLES COLLECTED BY: Sandra Turley
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Sandra Turley	[illegible]	2/18/99	15:10	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
~~24SG~~				
1. 24SG133 - Amb	X		X	X
2. 24SG133 - @ 50'	X		X	
3. 24SG133 - @ 72.5'	X		X	
4. 24SG133 - Amb (Vent Tubing)	X		X	X
5. 24SG133 @ 87.5'	X		X	

Comments:
Soil Gas Sampling: SG133

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

FEB. 8. 1999 7:08PM NO. 0699 P. 2

Quanterra Air Toxics Lab

Sample Name:	-1 OHM	**Data Analyzed:**	8 Feb 1999 17:33
Misc. Info:	500 ml 18708-793 TEDLAR	**Method:**	MSA0208.
Data Name:	A2056.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.03	ND	2.00
3)	Chloromethane	-0.00	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.52	ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.02	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.03	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.06	ND	2.00
12)	Acetone	0.03	10.65	10.00
13)	Methylene Chloride	0.03	~~ND~~	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	-0.06	ND	2.00
16)	Vinyl Acetate	0.22	ND ~~40.88~~ RT	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	-0.02	ND	10.00
19)	Chloroform	-0.06	ND	2.00
20)	1,1,1-Trichloroethane	-0.05	ND	2.00
21)	Carbon Tetrachloride	-0.05	ND	2.00
23)	Benzene	0.05	ND	2.00
25)	1,2-Dichloroethane	-0.18	ND	2.00
26)	Trichloroethene	-0.04	ND	2.00
27)	1,2-Dichloropropane	-0.16	ND ~~5.35~~ RT	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.42	ND	2.00
30)	4-Methyl-2-Pentanone	0.20	ND	10.00
32)	Toluene	-0.12	5.30	~~2.00~~ 5
34)	t-1,3-Dichloropropene	0.44	ND	2.00
35)	1,1,2-Trichloroethane	0.25	ND	2.00
36)	Tetrachloroethene	0.02	ND	2.00
37)	2-Hexanone	0.07	ND	30.00
38)	Dibromochloromethane	-0.23	ND	2.00
39)	1,2-Dibromoethane	-0.24	ND	2.00
40)	Chlorobenzene	0.06	ND	2.00
41)	Ethylbenzene	0.00	3.13	2.00
42)	p,&m-Xylene	-0.00	12.80	2.00
43)	o-Xylene	0.04	4.56	2.00
44)	Styrene	0.05	ND	2.00
45)	Bromoform		ND	2.00

17.36

FEB 9'99 16:45 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	-1 OHM	**Data Analyzed:**	02/ 8/19 -1:7:
Misc. Info:	500 ml 18708-793 TEDLAR	**Method:**	MSA0208
Data Name:	A2056.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

Compound	dRT	Result(ppbv)	RL(ppbv)
47) 1,1,2,2-Tetrachloroethane	0.16	ND	2.00
48) Benzyl Chloride	0.13	ND	10.00
49) 4-Ethyl Toluene	0.08	2.51	2.00
50) 1,3,5-Trimethylbenzene	0.12	ND	2.00
51) 1,2,4-Trimethylbenzene	0.19	3.14	2.00
52) 1,3-Dichlorobenzene	0.21	ND	2.00
53) 1,4-Dichlorobenzene	0.07	ND	2.00
54) 1,2-Dichlorobenzene	-0.01	ND	2.00
55) 1,2,4-Trichlorobenzene	0.19	ND	20.00
56) Hexachlorobutadiene		ND	4.00
MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	279709	OK	7.48	7.56	OK
1,4-Difluorobenzene	1341600	1524538	OK	9.19	9.24	OK
Chlorobenzene-d5	670274	724127	OK	14.67	14.51	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.92	97.8
Toluene-d8	50	47.18	94.4
4-Bromofluorobenzene	50	50.85	101.7

Comments:

Foot Notes:

1st Review: LR 2/9/99

2nd Review: YDM 2/9/99

FEB 9'99 16:45 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	-2 OHM	Data Analyzed:	8 Feb 1999 18:00
Misc. Info:	40 ml 18708-794 TEDLAR	Method:	MSA0208
Data Name:	A2057.D	Shift Call.File:	CC02081.D
Data Path:	D:\GCMSA–1\990208\	Dilution Factor:	12.5

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.01	ND	25.00
3)	Chloromethane	0.23	ND	50.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	25.00
5)	Vinyl Chloride		ND	25.00
6)	Bromomethane		ND	25.00
7)	Chloroethane		ND	50.00
8)	Trichlorofluoromethane (11)		ND	25.00
9)	1,1-Dichloroethene	0.04	107.59 FF YDM 3/9/99	25.00
10)	Carbon Disulfide	-0.14	ND	125.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.04	4942.80	25.00
12)	Acetone	-0.08	ND ~~410.54~~ RC	125.00
13)	Methylene Chloride		ND	25.00
14)	t-1,2-Dichloroethene		ND	25.00
15)	1,1-Dichloroethane	-0.01	ND	25.00
16)	Vinyl Acetate	-0.20	ND	125.00
17)	c-1,2-Dichloroethene	-0.23	ND	25.00
18)	2-Butanone	-0.02	ND	125.00
19)	Chloroform	-0.03	ND	25.00
20)	1,1,1-Trichloroethane	-0.01	ND	25.00
21)	Carbon Tetrachloride	0.02	37.65	25.00
23)	Benzene	-0.16	ND	25.00
25)	1,2-Dichloroethane	-0.19	ND	25.00
26)	Trichloroethene	0.01	392.36	25.00
27)	1,2-Dichloropropane		ND	25.00
28)	Bromodichloromethane		ND	25.00
29)	c-1,3-Dichloropropene		ND	25.00
30)	4-Methyl-2-Pentanone	-0.60	ND	125.00
32)	Toluene	-0.06	ND	~~25.00~~ 62.5
34)	t-1,3-Dichloropropene		ND	25.00
35)	1,1,2-Trichloroethane	0.44	ND	25.00
36)	Tetrachloroethene		ND	25.00
37)	2-Hexanone		ND	375.00
38)	Dibromochloromethane		ND	25.00
39)	1,2-Dibromoethane		ND	25.00
40)	Chlorobenzene		ND	25.00
41)	Ethylbenzene	-0.04	ND	25.00
42)	p,&m-Xylene	-0.04	ND	25.00
43)	o-Xylene	-0.01	ND	25.00
44)	Styrene		ND	25.00
45)	Bromoform		ND	25.00

FEB 9'99 16:46 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	-2 OHM	**Data Analyzed:**	02/ 8/19 -1:8:
Misc. Info:	40 ml 18708-794 TEDLAR	**Method:**	MSA0208
Data Name:	A2057.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	12.5

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.08	ND	25.00
48)	Benzyl Chloride	0.02	ND	125.00
49)	4-Ethyl Toluene	-0.07	ND	25.00
50)	1,3,5-Trimethylbenzene	-0.04	ND	25.00
51)	1,2,4-Trimethylbenzene	-0.04	ND	25.00
52)	1,3-Dichlorobenzene		ND	25.00
53)	1,4-Dichlorobenzene		ND	25.00
54)	1,2-Dichlorobenzene		ND	25.00
55)	1,2,4-Trichlorobenzene		ND	250.00
56)	Hexachlorobutadiene		ND	50.00
	MTBE		ND	125

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	271122	OK	7.48	7.55	OK
1,4-Difluorobenzene	1341600	1447909	OK	9.19	9.27	OK
Chlorobenzene-d5	670274	699947	OK	14.67	14.72	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.38	90.8
Toluene-d8	50	49.41	98.8
4-Bromofluorobenzene	50	46.83	93.7

Comments:

Foot Notes: F

1st Review: LR 2/9/99

2nd Review: YOM 2/9/99

FEB 9'99 16:46 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	-3 OHM	Data Analyzed:	8 Feb 1999 18:31
Misc. Info:	20 ml 18708-795, TEDLAR	Method:	MSA0208
Data Name:	a2058.d	Shift Cali.File:	CC02081.D
Data Path:	d:\gcmsa-1\990208\	Dilution Factor:	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.02	ND	50.00
3)	Chloromethane	0.24	ND	100.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	50.00
5)	Vinyl Chloride		ND	50.00
6)	Bromomethane		ND	50.00
7)	Chloroethane		ND	100.00
8)	Trichlorofluoromethane (11)		ND	50.00
9)	1,1-Dichloroethene	0.01	178.77 F	50.00
10)	Carbon Disulfide	-0.00	ND	250.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	8252.27	50.00
12)	Acetone	-0.07	N/D ~~628.88~~ RT	250.00
13)	Methylene Chloride		ND	50.00
14)	t-1,2-Dichloroethene		ND	50.00
15)	1,1-Dichloroethane		ND	50.00
16)	Vinyl Acetate	0.18	ND	250.00
17)	c-1,2-Dichloroethene		ND	50.00
18)	2-Butanone	0.27	ND	250.00
19)	Chloroform	-0.01	ND	50.00
20)	1,1,1-Trichloroethane		ND	50.00
21)	Carbon Tetrachloride	-0.02	56.16	50.00
23)	Benzene	0.03	ND	50.00
25)	1,2-Dichloroethane	-0.17	ND	50.00
26)	Trichloroethene	-0.00	462.27	50.00
27)	1,2-Dichloropropane		ND	50.00
28)	Bromodichloromethane		ND	50.00
29)	c-1,3-Dichloropropene		ND	50.00
30)	4-Methyl-2-Pentanone	-0.07	ND	250.00
32)	Toluene	-0.04	ND	~~50.00~~ 125
34)	t-1,3-Dichloropropene		ND	50.00
35)	1,1,2-Trichloroethane		ND	50.00
36)	Tetrachloroethene	0.03	ND	50.00
37)	2-Hexanone		ND	750.00
38)	Dibromochloromethane		ND	50.00
39)	1,2-Dibromoethane		ND	50.00
40)	Chlorobenzene		ND	50.00
41)	Ethylbenzene	-0.04	ND	50.00
42)	p,&m-Xylene	-0.00	ND	50.00
43)	o-Xylene	-0.02	ND	50.00
44)	Styrene		ND	50.00
45)	Bromoform		ND	50.00

FEB 9'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	-3 OHM	Data Analyzed:	02/ 8/19 -1:8:
Misc. Info:	20 ml 18708-795 TEDLAR	Method:	MSA0208
Data Name:	a2058.d	Shift Call.File:	CC02081.D
Data Path:	d:\gcmsa-1\990208\	Dilution Factor:	25

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	50.00
48)	Benzyl Chloride	0.45	ND	250.00
49)	4-Ethyl Toluene	-0.06	ND	50.00
50)	1,3,5-Trimethylbenzene	0.12	ND	50.00
51)	1,2,4-Trimethylbenzene	0.06	ND	50.00
52)	1,3-Dichlorobenzene		ND	50.00
53)	1,4-Dichlorobenzene		ND	50.00
54)	1,2-Dichlorobenzene		ND	50.00
55)	1,2,4-Trichlorobenzene		ND	500.00
56)	Hexachlorobutadiene		ND	100.00
	MTBE		Ng	250

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	269762	OK	7.48	7.57	OK
1,4-Difluorobenzene	1341600	1467374	OK	9.19	9.27	OK
Chlorobenzene-d5	670274	696425	OK	14.67	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	44.81	89.6
Toluene-d8	50	48.41	96.8
4-Bromofluorobenzene	50	47.45	94.9

Comments:

Foot Notes: F

1st Review: LR 2/9/99

2nd Review: Yom 2/9/99

FEB 9'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	-4 OHM	**Data Analyzed:**	8 Feb 1999 18:59
Misc. Info:	500 ml 18708-796 TEDLAR	**Method:**	MSA0208
Data Name:	A2059.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.03	ND	2.00
3)	Chloromethane	0.25	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)		ND	2.00
9)	1,1-Dichloroethene	0.05	ND	2.00
10)	Carbon Disulfide	0.05	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.03	75.73	2.00
12)	Acetone	-0.08	ND	10.00
13)	Methylene Chloride	0.02	ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane	-0.04	ND	2.00
16)	Vinyl Acetate	0.21	ND ~~25.23~~ RT, MS.	10.00
17)	c-1,2-Dichloroethene	-0.36	ND	2.00
18)	2-Butanone	0.32	ND ~~57.03~~ RT, MS	10.00
19)	Chloroform	-0.01	ND	2.00
20)	1,1,1-Trichloroethane	0.02	ND	2.00
21)	Carbon Tetrachloride	0.00	3.75	2.00
23)	Benzene	0.02	ND	2.00
25)	1,2-Dichloroethane	-0.21	ND ~~3.08~~ RT MS	2.00
26)	Trichloroethene	-0.00	200.28	2.00
27)	1,2-Dichloropropane	-0.14	ND ~~13.23~~ RT, MS	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.19	ND	2.00
30)	4-Methyl-2-Pentanone	-0.41	ND ~~18.00~~ RT, MS	10.00
32)	Toluene	-0.10	5.86	~~2.00~~ 5
34)	t-1,3-Dichloropropene	0.12	ND	2.00
35)	1,1,2-Trichloroethane	0.13	ND	2.00
36)	Tetrachloroethene	-0.02	ND	2.00
37)	2-Hexanone	0.12	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane	-0.31	ND	2.00
40)	Chlorobenzene	0.01	ND	2.00
41)	Ethylbenzene	0.01	ND	2.00
42)	p,&m-Xylene	0.01	7.34	2.00
43)	o-Xylene	0.04	2.78	2.00
44)	Styrene	0.04	ND	2.00
45)	Bromoform		ND	2.00

FEB 9'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.14

Sample Name:	-4 OHM	Data Analyzed:	02/ 8/19 -1:8:
Misc. Info:	500 ml 18708-796 TEDLAR	Method:	MSA0208
Data Name:	A2059.D	Shift Call.File:	CC02081.D
Data Path:	D:\GCMSA-1\990208\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.22	ND	2.00
48)	Benzyl Chloride	0.22	ND	10.00
49)	4-Ethyl Toluene	0.06	ND	2.00
50)	1,3,5-Trimethylbenzene	0.09	ND	2.00
51)	1,2,4-Trimethylbenzene	0.13	2.53	2.00
52)	1,3-Dichlorobenzene	0.14	ND	2.00
53)	1,4-Dichlorobenzene	0.16	ND	2.00
54)	1,2-Dichlorobenzene	-0.23	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	288677	OK	7.48	7.53	OK
1,4-Difluorobenzene	1341600	1528319	OK	9.19	9.22	OK
Chlorobenzene-d5	670274	764607	OK	14.67	14.55	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.71	111.4
Toluene-d8	50	48.35	96.7
4-Bromofluorobenzene	50	48.42	96.8

Comments:

Foot Notes:

1st Review: LR 2/9/99

2nd Review: YOM 2/9/99

FEB 9'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.15

Quanterra Air Toxics Lab

Sample Name:	-5 OHM	Data Analyzed:	8 Feb 1999 19:27
Misc. Info:	15 ml 18708-797 TEDLAR	Method:	MSA0208
Data Name:	A2060.D	Shift Call.File:	CC02081.D
Data Path:	D:\GCMSA-1\990208\	Dilution Factor:	33.33

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.07	ND	66.66
3)	Chloromethane	-0.01	ND	133.32
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	66.66
5)	Vinyl Chloride		ND	66.66
6)	Bromomethane		ND	66.66
7)	Chloroethane		ND	133.32
8)	Trichlorofluoromethane (11)		ND	66.66
9)	1,1-Dichloroethene	0.00	240.28 F	66.66
10)	Carbon Disulfide	-0.10	ND	333.30
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	11075.89	66.66
12)	Acetone	-0.07	ND ~~865.28~~ RT	333.30
13)	Methylene Chloride		ND	66.66
14)	t-1,2-Dichloroethene	-0.50	ND	66.66
15)	1,1-Dichloroethane		ND	66.66
16)	Vinyl Acetate	-0.12	ND	333.30
17)	c-1,2-Dichloroethene		ND	66.66
18)	2-Butanone	0.01	ND	333.30
19)	Chloroform	-0.01	ND	66.66
20)	1,1,1-Trichloroethane		ND	66.66
21)	Carbon Tetrachloride	-0.01	67.04	66.66
23)	Benzene	-0.00	ND	66.66
25)	1,2-Dichloroethane	-0.23	ND	66.66
26)	Trichloroethene	0.01	525.66	66.66
27)	1,2-Dichloropropane		ND	66.66
28)	Bromodichloromethane		ND	66.66
29)	c-1,3-Dichloropropene		ND	66.66
30)	4-Methyl-2-Pentanone	0.24	ND	333.30
32)	Toluene	-0.03	ND	~~66.66~~ 167
34)	t-1,3-Dichloropropene		ND	66.66
35)	1,1,2-Trichloroethane	0.47	ND	66.66
36)	Tetrachloroethene		ND	66.66
37)	2-Hexanone		ND	999.90
38)	Dibromochloromethane		ND	66.66
39)	1,2-Dibromoethane		ND	66.66
40)	Chlorobenzene		ND	66.66
41)	Ethylbenzene	0.03	ND	66.66
42)	p,&m-Xylene	-0.03	ND	66.66
43)	o-Xylene		ND	66.66
44)	Styrene		ND	66.66
45)	Bromoform		ND	66.66

FEB 9'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.18

Sample Name:	-5 OHM	Data Analyzed:	02/ 8/19 -1:9:
Misc. Info:	15 ml 18708-797 TEDLAR	Method:	MSA0208
Data Name:	A2060.D	Shift Cali.File:	CC02081.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	33.33

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.48	ND	66.66
48)	Benzyl Chloride	0.44	ND	333.30
49)	4-Ethyl Toluene	-0.09	ND	66.66
50)	1,3,5-Trimethylbenzene	-0.23	ND	66.66
51)	1,2,4-Trimethylbenzene	-0.06	ND	66.66
52)	1,3-Dichlorobenzene		ND	66.66
53)	1,4-Dichlorobenzene		ND	66.66
54)	1,2-Dichlorobenzene		ND	66.66
55)	1,2,4-Trichlorobenzene		ND	666.60
56)	Hexachlorobutadiene		ND	133.32

MTBE ND 333

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	271688	OK	7.48	7.55	OK
1,4-Difluorobenzene	1341600	1469719	OK	9.19	9.27	OK
Chlorobenzene-d5	670274	717342	OK	14.67	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.54	91.1
Toluene-d8	50	48.45	96.9
4-Bromofluorobenzene	50	45.70	91.4

Comments:

Foot Notes:

1st Review: LR 2/9/99

2nd Review: VJOM 2/9/99

FEB 9'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.19

Quanterra Air Toxics Lab

Sample Name:	-1 OHM	**Data Analyzed:**	8 Feb 1999 17:33
Misc. Info:	500 ml 18708-793 TEDLAR	**Method:**	MSA0208
Data Name:	A2056.D	**Shift Call.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.03	ND	0.0099
3)	Chloromethane	-0.00	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.52	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.02	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.03	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.06	ND	0.0153
12)	Acetone	0.03	0.0253	0.0237
13)	Methylene Chloride	0.03	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.06	ND	0.0081
16)	Vinyl Acetate	0.22	ND ~~0.0379~~	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	-0.02	ND	0.0294
19)	Chloroform	-0.06	ND	0.0097
20)	1,1,1-Trichloroethane	-0.05	ND	0.0109
21)	Carbon Tetrachloride	-0.05	ND	0.0126
23)	Benzene	0.05	ND	0.0064
25)	1,2-Dichloroethane	-0.18	ND	0.0081
26)	Trichloroethene	-0.04	ND	0.0107
27)	1,2-Dichloropropane	-0.16	ND ~~0.0247~~	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.42	ND	0.0091
30)	4-Methyl-2-Pentanone	0.20	ND	0.0409
32)	Toluene	-0.12	0.0199	~~0.0075~~ D.c19
34)	t-1,3-Dichloropropene	0.44	ND	0.0091
35)	1,1,2-Trichloroethane	0.25	ND	0.0109
36)	Tetrachloroethene	0.02	ND	0.0135
37)	2-Hexanone	0.07	ND	0.1226
38)	Dibromochloromethane	-0.23	ND	0.0170
39)	1,2-Dibromoethane	-0.24	ND	0.0153
40)	Chlorobenzene	0.06	ND	0.0092
41)	Ethylbenzene	0.00	0.0136	0.0087
42)	p,&m-Xylene	-0.00	0.0554	0.0087
43)	o-Xylene	0.04	0.0198	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

0.0752

FEB 9'99 16:45 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	-1 OHM	**Data Analyzed:**	02/ 8/19 -1:7:
Misc. Info:	500 ml 18708-793 TEDLAR	**Method:**	MSA0208
Data Name:	A2056.D	**Shift Call.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.16	ND	0.0137
48)	Benzyl Chloride	0.13	ND	0.0518
49)	4-Ethyl Toluene	0.08	0.0123	0.0098
50)	1,3,5-Trimethylbenzene	0.12	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.19	0.0154	0.0098
52)	1,3-Dichlorobenzene	0.21	ND	0.0120
53)	1,4-Dichlorobenzene	0.07	ND	0.0120
54)	1,2-Dichlorobenzene	-0.01	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.19	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	279709	OK	7.48	7.56	OK
1,4-Difluorobenzene	1341600	1524538	OK	9.19	9.24	OK
Chlorobenzene-d5	670274	724127	OK	14.67	14.51	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.92	97.8
Toluene-d8	50	47.18	94.4
4-Bromofluorobenzene	50	50.85	101.7

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review YDM 2/9/99

FEB 9'99 16:46 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	-2 OHM	**Data Analyzed:**	8 Feb 1999 18:00
Misc. Info:	40 ml 18708-794 TEDLAR	**Method:**	MSA0208
Data Name:	A2057.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	12.5

	Compound	dRT	Result(ug/L)	RL(ug/L)	
2)	Dichlorodifluoromethane (12)	0.01	ND	0.1234	
3)	Chloromethane	0.23	ND	0.1031	
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.1744	
5)	Vinyl Chloride		ND	0.0638	
6)	Bromomethane		ND	0.0969	
7)	Chloroethane		ND	0.1317	
8)	Trichlorofluoromethane (11)		ND	0.1402	
9)	1,1-Dichloroethene	0.04	0.4257 FF 4DM 2/9/99	0.0989	
10)	Carbon Disulfide	-0.14	ND	0.3885	
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.04	37.8026	0.1912	
12)	Acetone	-0.08	ND ~~0.9924~~ RT	0.2964	
13)	Methylene Chloride		ND	0.0867	
14)	t-1,2-Dichloroethene		ND	0.0989	
15)	1,1-Dichloroethane	-0.01	ND	0.1010	
16)	Vinyl Acetate	-0.20	ND	0.4393	
17)	c-1,2-Dichloroethene	-0.23	ND	0.0989	
18)	2-Butanone	-0.02	ND	0.3679	
19)	Chloroform	-0.03	ND	0.1218	
20)	1,1,1-Trichloroethane	-0.01	ND	0.1361	
21)	Carbon Tetrachloride	0.02	0.2364	0.1570	
23)	Benzene	-0.16	ND	0.0797	
25)	1,2-Dichloroethane	-0.19	ND	0.1010	
26)	Trichloroethene	0.01	2.1042	0.1341	
27)	1,2-Dichloropropane		ND	0.1153	
28)	Bromodichloromethane		ND	0.1672	
29)	c-1,3-Dichloropropene		ND	0.1132	
30)	4-Methyl-2-Pentanone	-0.60	ND	0.5110	
32)	Toluene	-0.06	ND	~~0.0940~~	0.238
34)	t-1,3-Dichloropropene		ND	0.1132	
35)	1,1,2-Trichloroethane	0.44	ND	0.1361	
36)	Tetrachloroethene		ND	0.1692	
37)	2-Hexanone		ND	1.5330	
38)	Dibromochloromethane		ND	0.2126	
39)	1,2-Dibromoethane		ND	0.1917	
40)	Chlorobenzene		ND	0.1149	
41)	Ethylbenzene	-0.04	ND	0.1083	
42)	p,&m-Xylene	-0.04	ND	0.1083	
43)	o-Xylene	-0.01	ND	0.1083	
44)	Styrene		ND	0.1063	
45)	Bromoform		ND	0.2579	

Sample Name:	-2 OHM	**Data Analyzed:**	02/ 8/19 -1:8:
Misc. Info:	40 ml 18708-794 TEDLAR	**Method:**	MSA0208
Data Name:	A2057.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	12.5

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.08	ND	0.1713
48)	Benzyl Chloride	0.02	ND	0.6470
49)	4-Ethyl Toluene	-0.07	ND	0.1227
50)	1,3,5-Trimethylbenzene	-0.04	ND	0.1227
51)	1,2,4-Trimethylbenzene	-0.04	ND	0.1227
52)	1,3-Dichlorobenzene		ND	0.1500
53)	1,4-Dichlorobenzene		ND	0.1500
54)	1,2-Dichlorobenzene		ND	0.1500
55)	1,2,4-Trichlorobenzene		ND	1.8515
56)	Hexachlorobutadiene		ND	0.5322
	MTBE		ND	0.45

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	271122	OK	7.48	7.55	OK
1,4-Difluorobenzene	1341600	1447909	OK	9.19	9.27	OK
Chlorobenzene-d5	670274	699947	OK	14.67	14.72	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.38	90.8
Toluene-d8	50	49.41	98.8
4-Bromofluorobenzene	50	46.83	93.7

Comments:

Foot Notes: F

1st Review: LR 2/9/99 2nd Review YDM 2/9/99

FEB 9'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	-3 OHM	Data Analyzed:	8 Feb 1999 18:31
Misc. Info:	20 ml 18708-795 TEDLAR	Method:	MSA0208
Data Name:	A2058.D	Shift Call.File:	CC02081.D
Data Path:	D:\GCMSA-1\990208\	Dilution Factor:	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.02	ND	0.2468
3)	Chloromethane	0.24	ND	0.2061
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.3488
5)	Vinyl Chloride		ND	0.1276
6)	Bromomethane		ND	0.1938
7)	Chloroethane		ND	0.2633
8)	Trichlorofluoromethane (11)		ND	0.2804
9)	1,1-Dichloroethene	0.01	0.7074 F	0.1979
10)	Carbon Disulfide	-0.00	ND	0.7770
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	63.1134	0.3824
12)	Acetone	-0.07	d/o ~~1.3147~~ RT.	0.5928
13)	Methylene Chloride		ND	0.1734
14)	t-1,2-Dichloroethene		ND	0.1979
15)	1,1-Dichloroethane		ND	0.2020
16)	Vinyl Acetate	0.18	ND	0.8785
17)	c-1,2-Dichloroethene		ND	0.1979
18)	2-Butanone	0.27	ND	0.7358
19)	Chloroform	-0.01	ND	0.2437
20)	1,1,1-Trichloroethane		ND	0.2723
21)	Carbon Tetrachloride	-0.02	0.3526	0.3139
23)	Benzene	0.03	ND	0.1594
25)	1,2-Dichloroethane	-0.17	ND	0.2020
26)	Trichloroethene	-0.00	2.4792	0.2682
27)	1,2-Dichloropropane		ND	0.2306
28)	Bromodichloromethane		ND	0.3344
29)	c-1,3-Dichloropropene		ND	0.2265
30)	4-Methyl-2-Pentanone	-0.07	ND	1.0220
32)	Toluene	-0.04	ND	~~0.1881~~ 0.475
34)	t-1,3-Dichloropropene		ND	0.2265
35)	1,1,2-Trichloroethane		ND	0.2723
36)	Tetrachloroethene	0.03	ND	0.3385
37)	2-Hexanone		ND	3.0660
38)	Dibromochloromethane		ND	0.4251
39)	1,2-Dibromoethane		ND	0.3834
40)	Chlorobenzene		ND	0.2297
41)	Ethylbenzene	-0.04	ND	0.2167
42)	p,&m-Xylene	-0.00	ND	0.2167
43)	o-Xylene	-0.02	ND	0.2167
44)	Styrene		ND	0.2126
45)	Bromoform		ND	0.5158

FEB 9'99 16:47 FR 714 258 0921 TO OHM-IRVINE P.12

Sample Name:	-3 OHM	**Data Analyzed:**	02/ 8/19 -1:8:
Misc. Info:	20 ml 18708-795 TEDLAR	**Method:**	MSA0208
Data Name:	A2058.D	**Shift Call.File:**	CC02081.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.3426
48)	Benzyl Chloride	0.45	ND	1.2940
49)	4-Ethyl Toluene	-0.06	ND	0.2453
50)	1,3,5-Trimethylbenzene	0.12	ND	0.2453
51)	1,2,4-Trimethylbenzene	0.06	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene		ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene		ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.90

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	269762	OK	7.48	7.57	OK
1,4-Difluorobenzene	1341600	1467374	OK	9.19	9.27	OK
Chlorobenzene-d5	670274	696425	OK	14.67	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	44.81	89.6
Toluene-d8	50	48.41	96.8
4-Bromofluorobenzene	50	47.45	94.9

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review Upin 2/9/99

FEB 9'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.13

Quanterra Air Toxics Lab

Sample Name:	-4 OHM	**Data Analyzed:**	8 Feb 1999 18:59
Misc. Info:	500 ml 18708-796 TEDLAR	**Method:**	MSA0208
Data Name:	A2059.D	**Shift Call.File:**	CC02081.D
Data Path:	D:\GCMSA-1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.03	ND	0.0099
3)	Chloromethane	0.25	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)		ND	0.0112
9)	1,1-Dichloroethene	0.05	ND	0.0079
10)	Carbon Disulfide	0.05	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.03	0.5792	0.0153
12)	Acetone	-0.08	ND	0.0237
13)	Methylene Chloride	0.02	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.04	ND	0.0081
16)	Vinyl Acetate	0.21	ND ~~0.0867~~ RT, MS	0.0351
17)	c-1,2-Dichloroethene	-0.36	ND	0.0079
18)	2-Butanone	0.32	ND ~~0.1678~~ RT, MS.	0.0294
19)	Chloroform	-0.01	ND	0.0097
20)	1,1,1-Trichloroethane	0.02	ND	0.0109
21)	Carbon Tetrachloride	0.00	0.0236	0.0126
23)	Benzene	0.02	ND	0.0064
25)	1,2-Dichloroethane	-0.21	ND ~~0.0125~~ RT, MS	0.0081
26)	Trichloroethene	-0.00	1.0741	0.0107
27)	1,2-Dichloropropane	-0.14	ND ~~0.0810~~ RT, MS	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.19	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.41	ND ~~0.0775~~ RT, MS	0.0409
32)	Toluene	-0.10	0.0220	~~0.0075~~ 0.019
34)	t-1,3-Dichloropropene	0.12	ND	0.0091
35)	1,1,2-Trichloroethane	0.13	ND	0.0109
36)	Tetrachloroethene	-0.02	ND	0.0135
37)	2-Hexanone	0.12	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	-0.31	ND	0.0153
40)	Chlorobenzene	0.01	ND	0.0092
41)	Ethylbenzene	0.01	ND	0.0087
42)	p,&m-Xylene	0.01	0.0318 > 0.019	0.0087
43)	o-Xylene	0.04	0.0120	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 9'99 16:48 FR 714 258 0921 TO OHM-IRVINE P.16

Sample Name:	-4 OHM	**Data Analyzed:**	02/ 8/19 -1:8:
Misc. Info:	500 ml 18708-796 TEDLAR	**Method:**	MSA0208
Data Name:	A2059.D	**Shift Call.File:**	CC02081.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.22	ND	0.0137
48)	Benzyl Chloride	0.22	ND	0.0518
49)	4-Ethyl Toluene	0.06	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.09	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.13	0.0124	0.0098
52)	1,3-Dichlorobenzene	0.14	ND	0.0120
53)	1,4-Dichlorobenzene	0.16	ND	0.0120
54)	1,2-Dichlorobenzene	-0.23	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	288677	OK	7.48	7.53	OK
1,4-Difluorobenzene	1341600	1528319	OK	9.19	9.22	OK
Chlorobenzene-d5	670274	764607	OK	14.67	14.55	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.71	111.4
Toluene-d8	50	48.35	96.7
4-Bromofluorobenzene	50	48.42	96.8

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review Upm 2/9/99

FEB 9'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.17

Quanterra Air Toxics Lab

Sample Name:	-5 OHM	**Data Analyzed:**	8 Feb 1999 19:27
Misc. Info:	15 ml 18708-797 TEDLAR	**Method:**	MSA0208
Data Name:	A2060.D	**Shift Cali.File:**	CC02081.D
Data Path:	D:\GCMSA~1\990208\	**Dilution Factor:**	33.33

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.07	ND	0.3290
3)	Chloromethane	-0.01	ND	0.2748
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.4650
5)	Vinyl Chloride		ND	0.1700
6)	Bromomethane		ND	0.2583
7)	Chloroethane		ND	0.3510
8)	Trichlorofluoromethane (11)		ND	0.3738
9)	1,1-Dichloroethene	0.00	0.9508 F	0.2638
10)	Carbon Disulfide	-0.10	ND	1.0359
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	84.7084	0.5098
12)	Acetone	-0.07	ND ~~2.0516~~ RT	0.7903
13)	Methylene Chloride		ND	0.2311
14)	t-1,2-Dichloroethene	-0.50	ND	0.2638
15)	1,1-Dichloroethane		ND	0.2692
16)	Vinyl Acetate	-0.12	ND	1.1712
17)	c-1,2-Dichloroethene		ND	0.2638
18)	2-Butanone	0.01	ND	0.9809
19)	Chloroform	-0.01	ND	0.3248
20)	1,1,1-Trichloroethane		ND	0.3630
21)	Carbon Tetrachloride	-0.01	0.4209	0.4185
23)	Benzene	-0.00	ND	0.2125
25)	1,2-Dichloroethane	-0.23	ND	0.2692
26)	Trichloroethene	0.01	2.8191	0.3575
27)	1,2-Dichloropropane		ND	0.3074
28)	Bromodichloromethane		ND	0.4458
29)	c-1,3-Dichloropropene		ND	0.3019
30)	4-Methyl-2-Pentanone	0.24	ND	1.3625
32)	Toluene	-0.03	ND	~~0.2507~~ 0.633
34)	t-1,3-Dichloropropene		ND	0.3019
35)	1,1,2-Trichloroethane	0.47	ND	0.3630
36)	Tetrachloroethene		ND	0.4512
37)	2-Hexanone		ND	4.0876
38)	Dibromochloromethane		ND	0.5667
39)	1,2-Dibromoethane		ND	0.5111
40)	Chlorobenzene		ND	0.3062
41)	Ethylbenzene	0.03	ND	0.2888
42)	p,&m-Xylene	-0.03	ND	0.2888
43)	o-Xylene		ND	0.2888
44)	Styrene		ND	0.2834
45)	Bromoform		ND	0.6877

FEB 9'99 16:49 FR 714 258 0921 TO OHM-IRVINE P.20

Sample Name:	-5 OHM	Data Analyzed:	02/ 8/19 -1:9:
Misc. Info:	15 ml 18708-797 TEDLAR	Method:	MSA0208
Data Name:	A2060.D	Shift Cali.File:	CC02081.D
Data Path:	D:\GCMSA~1\990208\	Dilution Factor:	33.33

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.48	ND	0.4567
48)	Benzyl Chloride	0.44	ND	1.7252
49)	4-Ethyl Toluene	-0.09	ND	0.3270
50)	1,3,5-Trimethylbenzene	-0.23	ND	0.3270
51)	1,2,4-Trimethylbenzene	-0.06	ND	0.3270
52)	1,3-Dichlorobenzene		ND	0.4000
53)	1,4-Dichlorobenzene		ND	0.4000
54)	1,2-Dichlorobenzene		ND	0.4000
55)	1,2,4-Trichlorobenzene		ND	4.9368
56)	Hexachlorobutadiene		ND	1.4189
	MTBE		NO	1.26

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	262206	271688	OK	7.48	7.55	OK
1,4-Difluorobenzene	1341600	1469719	OK	9.19	9.27	OK
Chlorobenzene-d5	670274	717342	OK	14.67	14.70	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.54	91.1
Toluene-d8	50	48.45	96.9
4-Bromofluorobenzene	50	45.70	91.4

Comments:

Foot Notes:

1st Review: LR 2/9/99 2nd Review Yom 2/9/99

FEB 9'99 16:50 FR 714 258 0921 TO OHM-IRVINE P.21

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219483
FORM 0019 REV. 2/97

OHM'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
[illegible]	[illegible]	[illegible]	Q136065	[illegible]	[illegible]
PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS		ADDRESS
[illegible]	[illegible]	[illegible]	Quanterra		3347 Michelson Dr. Ste. 200
PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE, AND ZIPCODE		CITY, STATE, AND ZIPCODE
[illegible]	[illegible]	[illegible]	[illegible]		Irvine CA
PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX			
[illegible]	[illegible]	[illegible]			

Analyze "A" Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	[illegible]	Vapor	[illegible]	0845	Ambient	2	III	24 hr	X	
2	[illegible]	Vapor	[illegible]	0910	Ambient	3	III	24 hr	X	
3	[illegible]	Vapor	[illegible]	[illegible]	Ambient	3	III	24 hr	X	
4	[illegible]	Vapor	[illegible]	[illegible]	Ambient	2	III	24 hr	X	
5	[illegible]	Vapor	[illegible]	[illegible]	Ambient	3	III	24 hr	X	
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: [illegible]
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]				

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) SG37 - Ambient	X		X	X
(2) SG37 @ 49'	X		X	
(3) SG37 @ 68'	X		X	
(4) SG37 - Amb (New Tubing)	X		X	X
(5) SG37 @ 97'	X		X	

Comments
24 SG37

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-038
LAB ID: 136065-0002-SA
Matrix: AIR — Sampled: 29 JAN 99 — Received: 29 JAN 99
Authorized: 29 JAN 99 — Prepared: N/A — Analyzed: 30 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	14		10	ppb (v/v)
Methylene chloride	2.1	F	2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	2.2	F	2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	8.1		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	4.5		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-038
LAB ID: 136065-0002-SA
Matrix: AIR | Sampled: 29 JAN 99 | Received: 29 JAN 99
Authorized: 29 JAN 99 | Prepared: N/A | Analyzed: 30 JAN 99
Instrument: GC/MS-B | Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name:	IT Group		
Client ID:	18233-039		
LAB ID:	136065-0003-SA		
Matrix:	AIR	Sampled: 29 JAN 99	Received: 29 JAN 99
Authorized:	29 JAN 99	Prepared: N/A	Analyzed: 30 JAN 99
Instrument:	GC/MS-B	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	25		10	ppb (v/v)
Methylene chloride	3.1	F	2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	13		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	4.2	F	2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	36		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	3.0		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	2.4		2.0	ppb (v/v)
Xylenes (total)	10		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-039
LAB ID: 136065-0003-SA
Matrix: AIR
Authorized: 29 JAN 99
Instrument: GC/MS-B

Sampled: 29 JAN 99
Prepared: N/A
Dilution: 1.0

Received: 29 JAN 99
Analyzed: 30 JAN 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	2.2		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

D = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-040
LAB ID: 136065-0004-SA
Matrix: AIR — Sampled: 29 JAN 99 — Received: 29 JAN 99
Authorized: 29 JAN 99 — Prepared: N/A — Analyzed: 30 JAN 99
Instrument: GC/MS-B — Dilution: 2.9

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		5.7	ppb (v/v)
Chloromethane	ND		11	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		5.7	ppb (v/v)
Vinyl chloride	ND		5.7	ppb (v/v)
Bromomethane	ND		5.7	ppb (v/v)
Chloroethane	ND		11	ppb (v/v)
Trichlorofluoromethane	ND		5.7	ppb (v/v)
1,1-Dichloroethene	310		5.7	ppb (v/v)
Carbon disulfide	ND		29	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	26		5.7	ppb (v/v)
Acetone	32	F	29	ppb (v/v)
Methylene chloride	15	F	5.7	ppb (v/v)
trans-1,2-Dichloroethene	ND		5.7	ppb (v/v)
Methyl t-butyl ether	ND		29	ppb (v/v)
1,1-Dichloroethane	70		5.7	ppb (v/v)
Vinyl acetate	ND		29	ppb (v/v)
cis-1,2-Dichloroethene	14		5.7	ppb (v/v)
2-Butanone	ND		29	ppb (v/v)
Chloroform	32		5.7	ppb (v/v)
1,1,1-Trichloroethane	ND		5.7	ppb (v/v)
Carbon tetrachloride	ND		5.7	ppb (v/v)
Benzene	8.4	F	5.7	ppb (v/v)
1,2-Dichloroethane	27	F	5.7	ppb (v/v)
Trichloroethene	220		5.7	ppb (v/v)
1,2-Dichloropropane	ND		5.7	ppb (v/v)
Bromodichloromethane	ND		5.7	ppb (v/v)
cis-1,3-Dichloropropene	ND		5.7	ppb (v/v)
4-Methyl-2-pentanone	ND		29	ppb (v/v)
Toluene	46		14	ppb (v/v)
trans-1,3-Dichloropropene	ND		5.7	ppb (v/v)
1,1,2-Trichloroethane	ND		5.7	ppb (v/v)
Tetrachloroethene	ND		5.7	ppb (v/v)
2-Hexanone	ND		86	ppb (v/v)
Dibromochloromethane	ND		5.7	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		5.7	ppb (v/v)
Chlorobenzene	ND		5.7	ppb (v/v)
Ethylbenzene	ND		5.7	ppb (v/v)
Xylenes (total)	6.4		5.7	ppb (v/v)
Styrene	ND		5.7	ppb (v/v)
Bromoform	ND		5.7	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		5.7	ppb (v/v)
Benzyl chloride	ND		29	ppb (v/v)
4-Ethyltoluene	ND		5.7	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-040
LAB ID: 136065-0004-SA
Matrix: AIR Sampled: 29 JAN 99 Received: 29 JAN 99
Authorized: 29 JAN 99 Prepared: N/A Analyzed: 30 JAN 99
Instrument: GC/MS-B Dilution: 2.9

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		5.7	ppb (v/v)
1,2,4-Trimethylbenzene	ND		5.7	ppb (v/v)
1,3-Dichlorobenzene	ND		5.7	ppb (v/v)
1,4-Dichlorobenzene	ND		5.7	ppb (v/v)
1,2-Dichlorobenzene	ND		5.7	ppb (v/v)
1,2,4-Trichlorobenzene	ND		57	ppb (v/v)
Hexachlorobutadiene	ND		11	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-041
LAB ID: 136065-0005-SA
Matrix: AIR — Sampled: 29 JAN 99 — Received: 29 JAN 99
Authorized: 29 JAN 99 — Prepared: N/A — Analyzed: 30 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	5.1		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	25		10	ppb (v/v)
Methylene chloride	2.5	F	2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	2.1		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	2.2	F	2.0	ppb (v/v)
1,2-Dichloroethane	2.2	F	2.0	ppb (v/v)
Trichloroethene	49		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	11		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	3.5		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-041
LAB ID: 136065-0005-SA
Matrix: AIR
Authorized: 29 JAN 99
Instrument: GC/MS-B

Sampled: 29 JAN 99
Prepared: N/A
Dilution: 1.0

Received: 29 JAN 99
Analyzed: 30 JAN 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-042
LAB ID: 136065-0006-SA
Matrix: AIR — Sampled: 29 JAN 99 — Received: 29 JAN 99
Authorized: 29 JAN 99 — Prepared: N/A — Analyzed: 30 JAN 99
Instrument: GC/MS-B — Dilution: 25

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		50	ppb (v/v)
Chloromethane	ND		100	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50	ppb (v/v)
Vinyl chloride	ND		50	ppb (v/v)
Bromomethane	ND		50	ppb (v/v)
Chloroethane	ND		100	ppb (v/v)
Trichlorofluoromethane	ND		50	ppb (v/v)
1,1-Dichloroethene	3900		50	ppb (v/v)
Carbon disulfide	ND		250	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	680		50	ppb (v/v)
Acetone	ND		250	ppb (v/v)
Methylene chloride	ND		50	ppb (v/v)
trans-1,2-Dichloroethene	ND		50	ppb (v/v)
Methyl t-butyl ether	ND		250	ppb (v/v)
1,1-Dichloroethane	150		50	ppb (v/v)
Vinyl acetate	ND		250	ppb (v/v)
cis-1,2-Dichloroethene	ND		50	ppb (v/v)
2-Butanone	ND		250	ppb (v/v)
Chloroform	67		50	ppb (v/v)
1,1,1-Trichloroethane	ND		50	ppb (v/v)
Carbon tetrachloride	73		50	ppb (v/v)
Benzene	ND		50	ppb (v/v)
1,2-Dichloroethane	ND		50	ppb (v/v)
Trichloroethene	3700		50	ppb (v/v)
1,2-Dichloropropane	ND		50	ppb (v/v)
Bromodichloromethane	ND		50	ppb (v/v)
cis-1,3-Dichloropropene	ND		50	ppb (v/v)
4-Methyl-2-pentanone	ND		250	ppb (v/v)
Toluene	ND		120	ppb (v/v)
trans-1,3-Dichloropropene	ND		50	ppb (v/v)
1,1,2-Trichloroethane	ND		50	ppb (v/v)
Tetrachloroethene	ND		50	ppb (v/v)
2-Hexanone	ND		750	ppb (v/v)
Dibromochloromethane	ND		50	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		50	ppb (v/v)
Chlorobenzene	ND		50	ppb (v/v)
Ethylbenzene	ND		50	ppb (v/v)
Xylenes (total)	ND		50	ppb (v/v)
Styrene	ND		50	ppb (v/v)
Bromoform	ND		50	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		50	ppb (v/v)
Benzyl chloride	ND		250	ppb (v/v)
4-Ethyltoluene	ND		50	ppb (v/v)
1,3,5-Trimethylbenzene	ND		50	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-042
LAB ID: 136065-0006-SA
Matrix: AIR Sampled: 29 JAN 99 Received: 29 JAN 99
Authorized: 29 JAN 99 Prepared: N/A Analyzed: 30 JAN 99
Instrument: GC/MS-B Dilution: 25

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		50	ppb (v/v)
1,3-Dichlorobenzene	ND		50	ppb (v/v)
1,4-Dichlorobenzene	ND		50	ppb (v/v)
1,2-Dichlorobenzene	ND		50	ppb (v/v)
1,2,4-Trichlorobenzene	ND		500	ppb (v/v)
Hexachlorobutadiene	ND		100	ppb (v/v)

ND = Not Detected

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219481
FORM 0019 REV. 2/97

OHM LAB COORDINATOR: Thizar Tintut Williams	LAB COORDINATOR'S PHONE: (949) 660.5300	LAB COORDINATOR'S FAX: (949) 475.5433	LABORATORY SERVICE ID: Q136065	LABORATORY CONTACT: MARIA JONES	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas Sampling	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18233	LABORATORY PHONE: (626) 765.1806	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Thizar Tintut Williams	PROJECT PHONE NUMBER: (949) 660.5300	PROJECT FAX: (949) 475.5433	LABORATORY ADDRESS: Quantera, CA		ADDRESS: 3347 Michelson Dr. #200
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: SANTA ANA, CA	CLIENT: Lynn Hornecker SWDN	CITY, STATE AND ZIPCODE: City of Industry, CA		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: BILL SEDLAK	PROJECT MANAGER'S PHONE: (949) 660.5300	PROJECT MANAGER'S FAX: (949) 475.5433			

Analyses: TO-14 — Analyze 'A' long list

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses	Comments
1	1-[illegible]-037	Air	1/25/99	1450	Ambient	3	III	24 hr	X	
2										
3										
4										
5										
6										
7										
8										
9										
10										

1/25/99

SAMPLES COLLECTED BY: [illegible]
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	[illegible]	1/25/99	1710	
[illegible]		1/25/99		

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1-245968 @ 92'	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-037
LAB ID: 136065-0001-SA
Matrix: AIR — Sampled: 28 JAN 99 — Received: 29 JAN 99
Authorized: 29 JAN 99 — Prepared: N/A — Analyzed: 30 JAN 99
Instrument: GC/MS-B — Dilution: 10

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		20	ppb (v/v)
Chloromethane	ND		40	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		20	ppb (v/v)
Vinyl chloride	ND		20	ppb (v/v)
Bromomethane	ND		20	ppb (v/v)
Chloroethane	ND		40	ppb (v/v)
Trichlorofluoromethane	ND		20	ppb (v/v)
1,1-Dichloroethene	ND		20	ppb (v/v)
Carbon disulfide	ND		100	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	26		20	ppb (v/v)
Acetone	ND		100	ppb (v/v)
Methylene chloride	ND		20	ppb (v/v)
trans-1,2-Dichloroethene	ND		20	ppb (v/v)
Methyl t-butyl ether	ND		100	ppb (v/v)
1,1-Dichloroethane	ND		20	ppb (v/v)
Vinyl acetate	ND		100	ppb (v/v)
cis-1,2-Dichloroethene	ND		20	ppb (v/v)
2-Butanone	ND		100	ppb (v/v)
Chloroform	ND		20	ppb (v/v)
1,1,1-Trichloroethane	ND		20	ppb (v/v)
Carbon tetrachloride	ND		20	ppb (v/v)
Benzene	ND		20	ppb (v/v)
1,2-Dichloroethane	ND		20	ppb (v/v)
Trichloroethene	120		20	ppb (v/v)
1,2-Dichloropropane	ND		20	ppb (v/v)
Bromodichloromethane	ND		20	ppb (v/v)
cis-1,3-Dichloropropene	ND		20	ppb (v/v)
4-Methyl-2-pentanone	ND		100	ppb (v/v)
Toluene	89		50	ppb (v/v)
trans-1,3-Dichloropropene	ND		20	ppb (v/v)
1,1,2-Trichloroethane	ND		20	ppb (v/v)
Tetrachloroethene	2400		20	ppb (v/v)
2-Hexanone	ND		300	ppb (v/v)
Dibromochloromethane	ND		20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		20	ppb (v/v)
Chlorobenzene	ND		20	ppb (v/v)
Ethylbenzene	ND		20	ppb (v/v)
Xylenes (total)	ND		20	ppb (v/v)
Styrene	ND		20	ppb (v/v)
Bromoform	ND		20	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		20	ppb (v/v)
Benzyl chloride	ND		100	ppb (v/v)
4-Ethyltoluene	ND		20	ppb (v/v)
1,3,5-Trimethylbenzene	ND		20	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-037
LAB ID: 136065-0001-SA
Matrix: AIR Sampled: 28 JAN 99 Received: 29 JAN 99
Authorized: 29 JAN 99 Prepared: N/A Analyzed: 30 JAN 99
Instrument: GC/MS-B Dilution: 10

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		20	ppb (v/v)
1,3-Dichlorobenzene	ND		20	ppb (v/v)
1,4-Dichlorobenzene	ND		20	ppb (v/v)
1,2-Dichlorobenzene	ND		20	ppb (v/v)
1,2,4-Trichlorobenzene	ND		200	ppb (v/v)
Hexachlorobutadiene	ND		40	ppb (v/v)

ND = Not Detected

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Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219475
FORM 0019 REV 2/97

LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID: Q136034	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS: Quanterra		ADDRESS
PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE: Irvine, CA		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX			

Analyses: TCLP; Comments: Analyze 1' Run first

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses	Comments
1	[illegible]	[illegible]	[illegible]	[illegible]	Ambient	2	III	24hr	X	
2	[illegible]	[illegible]	[illegible]	[illegible]	Ambient	2	III	24hr	X	
3	[illegible]	[illegible]	[illegible]	[illegible]	Ambient	2	III	24hr	X	
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	III	[illegible]	X	
5	[illegible]	[illegible]	[illegible]	[illegible]	Ambient	2	III	[illegible]	X	
6	[illegible]	[illegible]	[illegible]	[illegible]	Ambient	2	III	[illegible]	X	
7										
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
[illegible]		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	[illegible]	1/28/99	0640	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) SGB3 - Amb	X		X	X
(2) SGB3 @ 75'	X		X	X
(3) SGB3 @ 96'	X		X	
(4) SGB7 - Ambient	X		X	X
(5) SGB7 @ 75'	X		X	
(6) SGB7 @ 94.5'	X		X	

Comments
(1)-(3) 24SGB3
(4)-(6) 24SGB7

Sample Type: G - Grab, C - Composite, F - Field Sample
QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	136034-1 OHM	Data Analyzed:	28 Jan 1999 14:39
Misc. Info:	500 ML 18233-023 TEDLAR BAG	Method:	MSA0128
Data Name:	A1973.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA-1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.00	ND	2.00
3)	Chloromethane	-0.01	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.00	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.02	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	2.00
12)	Acetone	0.03	14.87	10.00
13)	Methylene Chloride	0.02	ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	-0.01	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	-0.03	ND	10.00
19)	Chloroform	0.32	ND	2.00
20)	1,1,1-Trichloroethane	-0.01	ND	2.00
21)	Carbon Tetrachloride	-0.00	ND	2.00
23)	Benzene	0.03	ND	2.00
25)	1,2-Dichloroethane		ND	2.00
26)	Trichloroethene	0.01	ND	2.00
27)	1,2-Dichloropropane		ND	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.45	ND	2.00
30)	4-Methyl-2-Pentanone	-0.07	ND	10.00
32)	Toluene	-0.07	12.92	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	-0.20	ND	2.00
36)	Tetrachloroethene	-0.00	2.37	2.00
37)	2-Hexanone	-0.21	ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane		ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	ND	2.00
42)	p,&m-Xylene TOTAL	0.01	5.94	2.00
43)	o-Xylene XYLENES	0.04	8.15 2.21	2.00
44)	Styrene	0.03	ND	2.00
45)	Bromoform		ND	2.00

JAN.-29.99(FRI) 12:59 QUANTERRA-INDUSTR TEL:626 965 1005 P.005

Sample Name:	136034-1 OHM	Data Analyzed:	01/28/19 -1:4:
Misc. Info:	500 ML 18233-023 TEDLAR BAG	Method:	MSA0128
Data Name:	A1973.D	Shift Call.File:	CC01281.D
Data Path:	D:\GCMSA-1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.17	ND	2.00
48)	Benzyl Chloride	0.11	ND	10.00
49)	4-Ethyl Toluene	0.01	ND	2.00
50)	1,3,5-Trimethylbenzene	0.03	ND	2.00
51)	1,2,4-Trimethylbenzene	0.03	2.26	2.00
52)	1,3-Dichlorobenzene		ND	2.00
53)	1,4-Dichlorobenzene		ND	2.00
54)	1,2-Dichlorobenzene	-0.32	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		N/D	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	186994	OK	7.64	7.66	OK
1,4-Difluorobenzene	965587	926990	OK	9.35	9.36	OK
Chlorobenzene-d5	472512	454886	OK	14.84	14.81	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.25	94.5
Toluene-d8	50	48.65	97.3
4-Bromofluorobenzene	50	47.08	94.2

Comments:

Foot Notes:

1st Review: PN 1/28/99

2nd Review: LR 1/29/99

JAN.-29 99(FRI) 15:01 QUANTERRA-INDSTR TEL:626 965 1005 P.004

Quanterra Air Toxics Lab

Sample Name:	136034-2 OHM	Data Analyzed:	28 Jan 1999 15:07
Misc. Info:	50 ML 18233-024 TEDLAR BAG	Method:	MSA0128
Data Name:	A1974.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	10

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.04	ND	20.00
3)	Chloromethane	0.22	ND	40.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	20.00
5)	Vinyl Chloride		ND	20.00
6)	Bromomethane		ND	20.00
7)	Chloroethane		ND	40.00
8)	Trichlorofluoromethane (11)		ND	20.00
9)	1,1-Dichloroethene	-0.02	295.74	20.00
10)	Carbon Disulfide		ND	100.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	1723.85	20.00
12)	Acetone	-0.11	~~163.09~~ ND RT, MS	100.00
13)	Methylene Chloride		ND	20.00
14)	t-1,2-Dichloroethene	-0.24	ND	20.00
15)	1,1-Dichloroethane	0.02	ND	20.00
16)	Vinyl Acetate	-0.17	ND	100.00
17)	c-1,2-Dichloroethene		ND	20.00
18)	2-Butanone	-0.05	ND	100.00
19)	Chloroform	0.01	ND	20.00
20)	1,1,1-Trichloroethane		ND	20.00
21)	Carbon Tetrachloride	0.00	51.25	20.00
23)	Benzene	0.00	ND	20.00
25)	1,2-Dichloroethane		ND	20.00
26)	Trichloroethene	0.01	689.30	20.00
27)	1,2-Dichloropropane		ND	20.00
28)	Bromodichloromethane		ND	20.00
29)	c-1,3-Dichloropropene		ND	20.00
30)	4-Methyl-2-Pentanone	-0.08	ND	100.00
32)	Toluene	-0.02	ND	~~20.00~~ 50
34)	t-1,3-Dichloropropene		ND	20.00
35)	1,1,2-Trichloroethane	0.41	ND	20.00
36)	Tetrachloroethene	0.02	ND	20.00
37)	2-Hexanone		ND	300.00
38)	Dibromochloromethane		ND	20.00
39)	1,2-Dibromoethane		ND	20.00
40)	Chlorobenzene		ND	20.00
41)	Ethylbenzene	0.02	ND	20.00
42)	p,&m-Xylene	-0.00	ND	20.00
43)	o-Xylene	0.02	ND	20.00
44)	Styrene		ND	20.00
45)	Bromoform		ND	20.00

JAN. -29. 99(FRI) 15:01 QUANTERRA-INDUSTR TEL:626 965 1005 P.005

Sample Name:	136034-2 OHM	Data Analyzed:	01/28/19 -1:5:
Misc. Info:	50 ML 18233-024 TEDLAR BAG	Method:	MSA0128
Data Name:	A1974.D	Shift Call.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	10

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	20.00
48)	Benzyl Chloride	-0.16	ND	100.00
49)	4-Ethyl Toluene	-0.02	ND	20.00
50)	1,3,5-Trimethylbenzene	-0.01	ND	20.00
51)	1,2,4-Trimethylbenzene	-0.03	ND	20.00
52)	1,3-Dichlorobenzene		ND	20.00
53)	1,4-Dichlorobenzene		ND	20.00
54)	1,2-Dichlorobenzene		ND	20.00
55)	1,2,4-Trichlorobenzene		ND	200.00
56)	Hexachlorobutadiene		ND	40.00
	MTBE		ND	100

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	172152	OK	7.64	7.69	OK
1,4-Difluorobenzene	965587	895109	OK	9.35	9.40	OK
Chlorobenzene-d5	472512	432735	OK	14.84	14.86	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.13	96.3
Toluene-d8	50	49.24	98.5
4-Bromofluorobenzene	50	42.69	85.4

Comments:

Foot Notes:

1st Review: PN 1/28/99

2nd Review: LR 1/29/99

JAN.-29.99(FRI) 15:02 QUANTERRA-INDUSTR TEL:626 965 1005 P.006

Quanterra Air Toxics Lab

Sample Name:	136034-3 OHM	**Data Analyzed:**	28 Jan 1999 15:34
Misc. Info:	40 ML 18233-025 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1975.D	**Shift Cali.File:**	CC01281.D
Data Path:	D:\GCMSA–1\990125\	**Dilution Factor:**	12.5

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.00	ND	25.00
3)	Chloromethane		ND	50.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	25.00
5)	Vinyl Chloride		ND	25.00
6)	Bromomethane		ND	25.00
7)	Chloroethane		ND	50.00
8)	Trichlorofluoromethane (11)		ND	25.00
9)	1,1-Dichloroethene	0.00	635.65	25.00
10)	Carbon Disulfide		ND	125.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	1938.56	25.00
12)	Acetone	-0.07	~~156.62~~ NO RT, MI	125.00
13)	Methylene Chloride		ND	25.00
14)	t-1,2-Dichloroethene		ND	25.00
15)	1,1-Dichloroethane		ND	25.00
16)	Vinyl Acetate	-0.35	ND	125.00
17)	c-1,2-Dichloroethene	-0.50	ND	25.00
18)	2-Butanone	0.35	ND	125.00
19)	Chloroform	0.03	ND	25.00
20)	1,1,1-Trichloroethane		ND	25.00
21)	Carbon Tetrachloride	0.02	54.46	25.00
23)	Benzene	-0.03	ND	25.00
25)	1,2-Dichloroethane	-0.12	ND	25.00
26)	Trichloroethene	0.02	598.57	25.00
27)	1,2-Dichloropropane		ND	25.00
28)	Bromodichloromethane		ND	25.00
29)	c-1,3-Dichloropropene		ND	25.00
30)	4-Methyl-2-Pentanone	-0.07	ND	125.00
32)	Toluene	-0.03	ND	~~25.00~~ 62.5
34)	t-1,3-Dichloropropene		ND	25.00
35)	1,1,2-Trichloroethane		ND	25.00
36)	Tetrachloroethene		ND	25.00
37)	2-Hexanone		ND	375.00
38)	Dibromochloromethane		ND	25.00
39)	1,2-Dibromoethane		ND	25.00
40)	Chlorobenzene		ND	25.00
41)	Ethylbenzene	0.30	ND	25.00
42)	p,&m-Xylene	0.01	ND	25.00
43)	o-Xylene	-0.01	ND	25.00
44)	Styrene		ND	25.00
45)	Bromoform		ND	25.00

JAN.-29.99(FRI) 13:03 QUANTERRA-INDUSTR TEL:626 965 1003 P.00

Sample Name:	136034-3 OHM	Data Analyzed:	01/28/19 -1:5:
Misc. Info:	40 ML 18233-025 TEDLAR BAG	Method:	MSA0128
Data Name:	A1975.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	12.5

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane		ND	25.00
48)	Benzyl Chloride		ND	125.00
49)	4-Ethyl Toluene	0.00	ND	25.00
50)	1,3,5-Trimethylbenzene	-0.13	ND	25.00
51)	1,2,4-Trimethylbenzene	-0.02	ND	25.00
52)	1,3-Dichlorobenzene		ND	25.00
53)	1,4-Dichlorobenzene		ND	25.00
54)	1,2-Dichlorobenzene		ND	25.00
55)	1,2,4-Trichlorobenzene		ND	250.00
56)	Hexachlorobutadiene		ND	50.00
	MTBE		ND	125

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	180716	OK	7.64	7.67	OK
1,4-Difluorobenzene	985587	893591	OK	9.35	9.40	OK
Chlorobenzene-d5	472512	431019	OK	14.84	14.86	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.94	97.9
Toluene-d8	50	49.37	98.7
4-Bromofluorobenzene	50	44.09	88.2

Comments:

Foot Notes:

1st Review: PN 1/28/99

2nd Review: LR 1/29/99

JAN. 29. 99(FRI) 15:05 QUANTERRA-INDUSTR TEL:626 965 1005 P. 008

Quanterra Air Toxics Lab

Sample Name:	136034-4 OHM	Data Analyzed:	28 Jan 1999 16:29
Misc. Info:	500 ML 18233-026 TEDLAR BAG	Method:	MSA0128
Data Name:	A1977.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA-1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	0.00	ND	2.00
3)	Chloromethane		ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.00	ND	2.00
9)	1,1-Dichloroethene		ND	2.00
10)	Carbon Disulfide	0.04	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	2.00
12)	Acetone	0.04	26.14	10.00
13)	Methylene Chloride	0.01	2.15	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	0.12	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	0.00	ND	10.00
19)	Chloroform	-0.04	ND	2.00
20)	1,1,1-Trichloroethane	-0.00	ND	2.00
21)	Carbon Tetrachloride	-0.05	ND	2.00
23)	Benzene	0.06	ND	2.00
25)	1,2-Dichloroethane	-0.18	ND	2.00
26)	Trichloroethene	0.03	2.41	2.00
27)	1,2-Dichloropropane		ND	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	-0.26	ND	2.00
30)	4-Methyl-2-Pentanone	-0.48	ND	10.00
32)	Toluene	-0.03	25.93	~~2.00~~ 5.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	0.10	ND	2.00
36)	Tetrachloroethene	-0.02	3.87	2.00
37)	2-Hexanone	0.03	ND	30.00
38)	Dibromochloromethane	-0.26	ND	2.00
39)	1,2-Dibromoethane	-0.25	ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	2.22	2.00
42)	p,&m-Xylene TOTAL	0.00	8.33	2.00
43)	o-Xylene XYLENES	0.02	11.46 3.13	2.00
44)	Styrene	0.03	ND	2.00
45)	Bromoform		ND	2.00

JAN.-29.99(FRI) 13:04 QUANTERRA-INDUSTR TEL:626 963 1003 P.009

Sample Name:	136034-4 OHM	Data Analyzed:	01/28/19 -1:6:
Misc. Info:	500 ML 18233-026 TEDLAR BAG	Method:	MSA0128
Data Name:	A1977.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.34	ND	2.00
48)	Benzyl Chloride	0.10	ND	10.00
49)	4-Ethyl Toluene	-0.02	2.57	2.00
50)	1,3,5-Trimethylbenzene	0.03	ND	2.00
51)	1,2,4-Trimethylbenzene	0.02	3.27	2.00
52)	1,3-Dichlorobenzene	0.03	ND	2.00
53)	1,4-Dichlorobenzene	-0.02	ND	2.00
54)	1,2-Dichlorobenzene	-0.37	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	183507	OK	7.64	7.66	OK
1,4-Difluorobenzene	965587	922062	OK	9.35	9.36	OK
Chlorobenzene-d5	472512	462096	OK	14.84	14.83	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.21	100.4
Toluene-d8	50	49.95	99.9
4-Bromofluorobenzene	50	47.64	95.3

Comments:

Foot Notes: ~~F~~ LR

1st Review: PN 1/28/99

2nd Review: LR 1/29/99

JAN.-29.99(FRI) 15:04 QUANTERRA-INDUSTR TEL:626 965 1005 P.010

Quanterra Air Toxics Lab

Sample Name:	136034-5 OHM	Data Analyzed:	28 Jan 1999 17:23
Misc. Info:	500 ML 18233-027 TEDLAR BAG	Method:	MSA0128
Data Name:	A1979.D	Shift Call.File:	CC01281.D
Data Path:	D:\GCMSA-1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	2.00
3)	Chloromethane	-0.02	ND	4.00
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	2.00
5)	Vinyl Chloride		ND	2.00
6)	Bromomethane		ND	2.00
7)	Chloroethane		ND	4.00
8)	Trichlorofluoromethane (11)	0.02	ND	2.00
9)	1,1-Dichloroethene	-0.28	ND	2.00
10)	Carbon Disulfide	-0.01	ND	10.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	2.00
12)	Acetone	0.02	15.33	10.00
13)	Methylene Chloride	-0.01	ND	2.00
14)	t-1,2-Dichloroethene		ND	2.00
15)	1,1-Dichloroethane		ND	2.00
16)	Vinyl Acetate	-0.06	ND	10.00
17)	c-1,2-Dichloroethene		ND	2.00
18)	2-Butanone	-0.05	ND	10.00
19)	Chloroform	-0.06	ND	2.00
20)	1,1,1-Trichloroethane	-0.03	ND	2.00
21)	Carbon Tetrachloride	-0.05	ND	2.00
23)	Benzene	0.04	ND	2.00
25)	1,2-Dichloroethane		ND	2.00
26)	Trichloroethene	0.01	ND	2.00
27)	1,2-Dichloropropane		ND	2.00
28)	Bromodichloromethane		ND	2.00
29)	c-1,3-Dichloropropene	0.38	ND	2.00
30)	4-Methyl-2-Pentanone	-0.09	ND	10.00
32)	Toluene	-0.03	6.76	~~2.00~~ 2.00
34)	t-1,3-Dichloropropene		ND	2.00
35)	1,1,2-Trichloroethane	-0.26	ND	2.00
36)	Tetrachloroethene	0.01	ND	2.00
37)	2-Hexanone		ND	30.00
38)	Dibromochloromethane		ND	2.00
39)	1,2-Dibromoethane		ND	2.00
40)	Chlorobenzene		ND	2.00
41)	Ethylbenzene	0.02	ND	2.00
42)	p,&m-Xylene	0.01	ND	2.00
43)	o-Xylene	0.02	ND	2.00
44)	Styrene	0.01	ND	2.00
45)	Bromoform		ND	2.00

JAN.-29.99(FRI) 13:05 QUANTERRA-INDUSTR TEL:626 965 1005 P.011

Sample Name:	136034-5 OHM	Data Analyzed:	01/28/19 -1:7:
Misc. Info:	500 ML 18233-027 TEDLAR BAG	Method:	MSA0128
Data Name:	A1979.D	Shift Call.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	0.20	ND	2.00
48)	Benzyl Chloride	0.02	ND	10.00
49)	4-Ethyl Toluene	-0.03	ND	2.00
50)	1,3,5-Trimethylbenzene	0.01	ND	2.00
51)	1,2,4-Trimethylbenzene	0.03	ND	2.00
52)	1,3-Dichlorobenzene		ND	2.00
53)	1,4-Dichlorobenzene		ND	2.00
54)	1,2-Dichlorobenzene	-0.34	ND	2.00
55)	1,2,4-Trichlorobenzene		ND	20.00
56)	Hexachlorobutadiene		ND	4.00
	MTBE		ND	10

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	190805	OK	7.64	7.68	OK
1,4-Difluorobenzene	965587	975348	OK	9.35	9.37	OK
Chlorobenzene-d5	472512	479760	OK	14.84	14.83	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.53	97.1
Toluene-d8	50	49.18	98.4
4-Bromofluorobenzene	50	49.78	99.6

Comments:

Foot Notes:

1st Review: PN 1/28/99

2nd Review: LR 1/29/99

JAN.-29.99(FRI) 13:06 QUANTERRA-INDUSTR TEL:626 965 1005 P.012

Quanterra Air Toxics Lab

Sample Name:	136034-6 OHM	Data Analyzed:	28 Jan 1999 17:51
Misc. Info:	50 ML 18233-028 TEDLAR BAG	Method:	MSA0128
Data Name:	A1980.D	Shift Call.File:	CC01281.D
Data Path:	D:\GCMSA–1\990125\	Dilution Factor:	10

	Compound	dRT	Result(ppbv)	RL(ppbv)
2)	Dichlorodifluoromethane (12)	-0.01	ND	20.00
3)	Chloromethane	0.22	ND	40.00
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.48	ND	20.00
5)	Vinyl Chloride		ND	20.00
6)	Bromomethane		ND	20.00
7)	Chloroethane		ND	40.00
8)	Trichlorofluoromethane (11)		ND	20.00
9)	1,1-Dichloroethene	-0.01	284.21	20.00
10)	Carbon Disulfide	0.02	ND	100.00
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	1422.99	20.00
12)	Acetone	-0.10	~~126.47~~ NID RT	100.00
13)	Methylene Chloride		ND	20.00
14)	t-1,2-Dichloroethene	-0.45	ND	20.00
15)	1,1-Dichloroethane	-0.08	ND	20.00
16)	Vinyl Acetate	-0.26	ND	100.00
17)	c-1,2-Dichloroethene		ND	20.00
18)	2-Butanone	-0.03	ND	100.00
19)	Chloroform	-0.01	ND	20.00
20)	1,1,1-Trichloroethane	0.02	ND	20.00
21)	Carbon Tetrachloride	-0.01	ND	20.00
23)	Benzene	0.00	ND	20.00
25)	1,2-Dichloroethane		ND	20.00
26)	Trichloroethene	0.02	630.38	20.00
27)	1,2-Dichloropropane		ND	20.00
28)	Bromodichloromethane		ND	20.00
29)	c-1,3-Dichloropropene		ND	20.00
30)	4-Methyl-2-Pentanone	-0.06	ND	100.00
32)	Toluene	-0.02	ND	~~20.00~~ 50
34)	t-1,3-Dichloropropene		ND	20.00
35)	1,1,2-Trichloroethane		ND	20.00
36)	Tetrachloroethene	0.04	ND	20.00
37)	2-Hexanone		ND	300.00
38)	Dibromochloromethane		ND	20.00
39)	1,2-Dibromoethane		ND	20.00
40)	Chlorobenzene		ND	20.00
41)	Ethylbenzene	0.02	ND	20.00
42)	p,&m-Xylene	-0.01	ND	20.00
43)	o-Xylene	-0.00	ND	20.00
44)	Styrene		ND	20.00
45)	Bromoform		ND	20.00

JAN.-29.99(FRI) 13:06 QUANTERRA-INDUSTR TEL:626 965 1003 P.013

Sample Name:	136034-6 OHM	**Data Analyzed:**	01/28/19 -1:7:
Misc. Info:	50 ML 18233-028 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1980.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	10

	Compound	dRT	Result(ppbv)	RL(ppbv)
47)	1,1,2,2-Tetrachloroethane	-0.28	ND	20.00
48)	Benzyl Chloride	-0.08	ND	100.00
49)	4-Ethyl Toluene	-0.03	ND	20.00
50)	1,3,5-Trimethylbenzene	-0.02	ND	20.00
51)	1,2,4-Trimethylbenzene	0.01	ND	20.00
52)	1,3-Dichlorobenzene		ND	20.00
53)	1,4-Dichlorobenzene		ND	20.00
54)	1,2-Dichlorobenzene		ND	20.00
55)	1,2,4-Trichlorobenzene		ND	200.00
56)	Hexachlorobutadiene		ND	40.00
	MTBE		ND	100

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	174452	OK	7.64	7.68	OK
1,4-Difluorobenzene	965587	906020	OK	9.35	9.40	OK
Chlorobenzene-d5	472512	432360	OK	14.84	14.84	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.97	97.9
Toluene-d8	50	49.20	98.4
4-Bromofluorobenzene	50	47.40	94.8

Comments:

Foot Notes:

1st Review: PN 1/28/99

2nd Review: LR 1/29/99

JAN.-29 99(FRI) 15:07 QUANTERRA-INDUSTR TEL:626 965 1003 P.014

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

219532

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Thizar Tinhut-Williams	(949) 263-1146	(949) 475-5433	Q135940		OHM Remediation

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
SG106 @ 5.0'	MCAS El Toro	18233	(626) 965-1000		Dwayne Ishida

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Thizar Tinhut-Williams	(949) 263-1146	(949) 263-1147	Duarte	2031 Main Street

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE, AND ZIPCODE
MCAS El Toro	Santa Ana, CA	Lynn Herndon, SW Div	City of Industry, CA	Irvine, CA

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Bill Sedlak	(949) 263-1146	(949) 263-1147

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: TO-14	Comments
1	18233-~~004~~ 005	Vapor	1/20/99	0700	Ambient	2	III	24hr	X	
2	18233-006	Vapor	1/20/99	1000	Ambient	3	III	24hr	X	
3	18233-007	Vapor	1/20/99	1135	Ambient	3	III	24hr	X	
4										
5										
6										
7										
8										
9										
10										

Finley 1/20/99

SAMPLES COLLECTED BY: Sandra Finley

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Sandra Finley	Greg G. Wang - Dependable	1-21-99	3:30P	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
(1) 24SG106 - Amb	X		X	X
(2) 24SG106 - @ 7.2'	X		X	
(3) 24SG106 - @ 9.0'	X		X	

Comments

Soil Gas sampling @ location 106

Sample Type: G - Grab. C - Composite. F - Field Sample. QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-005
LAB ID: 135940-0001-SA
Matrix: AIR — Sampled: 20 JAN 99 — Received: 20 JAN 99
Authorized: 20 JAN 99 — Prepared: N/A — Analyzed: 21 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	47		10	ppb (v/v)
Methylene chloride	2.9		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	11		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	4.6	F	2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	2.1		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	31		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	7.8		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	6.4		2.0	ppb (v/v)
Xylenes (total)	31		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	4.7		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-005
LAB ID: 135940-0001-SA
Matrix: AIR Sampled: 20 JAN 99 Received: 20 JAN 99
Authorized: 20 JAN 99 Prepared: N/A Analyzed: 21 JAN 99
Instrument: GC/MS-B Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	5.4		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-006
LAB ID: 135940-0002-SA
Matrix: AIR — Sampled: 20 JAN 99 — Received: 20 JAN 99
Authorized: 20 JAN 99 — Prepared: N/A — Analyzed: 21 JAN 99
Instrument: GC/MS-B — Dilution: 3.3

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		6.7	ppb (v/v)
Chloromethane	ND		13	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		6.7	ppb (v/v)
Vinyl chloride	ND		6.7	ppb (v/v)
Bromomethane	ND		6.7	ppb (v/v)
Chloroethane	ND		13	ppb (v/v)
Trichlorofluoromethane	ND		6.7	ppb (v/v)
1,1-Dichloroethene	17		6.7	ppb (v/v)
Carbon disulfide	ND		33	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	190		6.7	ppb (v/v)
Acetone	52		33	ppb (v/v)
Methylene chloride	74		6.7	ppb (v/v)
trans-1,2-Dichloroethene	ND		6.7	ppb (v/v)
Methyl t-butyl ether	ND		33	ppb (v/v)
1,1-Dichloroethane	ND		6.7	ppb (v/v)
Vinyl acetate	ND		33	ppb (v/v)
cis-1,2-Dichloroethene	ND		6.7	ppb (v/v)
2-Butanone	ND		33	ppb (v/v)
Chloroform	13		6.7	ppb (v/v)
1,1,1-Trichloroethane	ND		6.7	ppb (v/v)
Carbon tetrachloride	ND		6.7	ppb (v/v)
Benzene	ND		6.7	ppb (v/v)
1,2-Dichloroethane	ND		6.7	ppb (v/v)
Trichloroethene	680		6.7	ppb (v/v)
1,2-Dichloropropane	ND		6.7	ppb (v/v)
Bromodichloromethane	ND		6.7	ppb (v/v)
cis-1,3-Dichloropropene	ND		6.7	ppb (v/v)
4-Methyl-2-pentanone	ND		33	ppb (v/v)
Toluene	32		17	ppb (v/v)
trans-1,3-Dichloropropene	ND		6.7	ppb (v/v)
1,1,2-Trichloroethane	ND		6.7	ppb (v/v)
Tetrachloroethene	8.1		6.7	ppb (v/v)
2-Hexanone	ND		100	ppb (v/v)
Dibromochloromethane	ND		6.7	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		6.7	ppb (v/v)
Chlorobenzene	ND		6.7	ppb (v/v)
Ethylbenzene	ND		6.7	ppb (v/v)
Xylenes (total)	20		6.7	ppb (v/v)
Styrene	ND		6.7	ppb (v/v)
Bromoform	ND		6.7	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		6.7	ppb (v/v)
Benzyl chloride	ND		33	ppb (v/v)
4-Ethyltoluene	ND		6.7	ppb (v/v)
1,3,5-Trimethylbenzene	ND		6.7	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-006
LAB ID: 135940-0002-SA
Matrix: AIR Sampled: 20 JAN 99 Received: 20 JAN 99
Authorized: 20 JAN 99 Prepared: N/A Analyzed: 21 JAN 99
Instrument: GC/MS-B Dilution: 3.3

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		6.7	ppb (v/v)
1,3-Dichlorobenzene	ND		6.7	ppb (v/v)
1,4-Dichlorobenzene	ND		6.7	ppb (v/v)
1,2-Dichlorobenzene	ND		6.7	ppb (v/v)
1,2,4-Trichlorobenzene	ND		67	ppb (v/v)
Hexachlorobutadiene	ND		13	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-007
LAB ID: 135940-0003-SA
Matrix: AIR | Sampled: 20 JAN 99 | Received: 20 JAN 99
Authorized: 20 JAN 99 | Prepared: N/A | Analyzed: 21 JAN 99
Instrument: GC/MS-B | Dilution: 10

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		20	ppb (v/v)
Chloromethane	ND		40	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		20	ppb (v/v)
Vinyl chloride	ND		20	ppb (v/v)
Bromomethane	ND		20	ppb (v/v)
Chloroethane	ND		40	ppb (v/v)
Trichlorofluoromethane	ND		20	ppb (v/v)
1,1-Dichloroethene	57		20	ppb (v/v)
Carbon disulfide	ND		100	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	1400		20	ppb (v/v)
Acetone	130		100	ppb (v/v)
Methylene chloride	64		20	ppb (v/v)
trans-1,2-Dichloroethene	ND		20	ppb (v/v)
Methyl t-butyl ether	ND		100	ppb (v/v)
1,1-Dichloroethane	ND		20	ppb (v/v)
Vinyl acetate	ND		100	ppb (v/v)
cis-1,2-Dichloroethene	ND		20	ppb (v/v)
2-Butanone	ND		100	ppb (v/v)
Chloroform	ND		20	ppb (v/v)
1,1,1-Trichloroethane	27		20	ppb (v/v)
Carbon tetrachloride	ND		20	ppb (v/v)
Benzene	ND		20	ppb (v/v)
1,2-Dichloroethane	ND		20	ppb (v/v)
Trichloroethene	2300		20	ppb (v/v)
1,2-Dichloropropane	ND		20	ppb (v/v)
Bromodichloromethane	ND		20	ppb (v/v)
cis-1,3-Dichloropropene	ND		20	ppb (v/v)
4-Methyl-2-pentanone	ND		100	ppb (v/v)
Toluene	ND		50	ppb (v/v)
trans-1,3-Dichloropropene	ND		20	ppb (v/v)
1,1,2-Trichloroethane	ND		20	ppb (v/v)
Tetrachloroethene	ND		20	ppb (v/v)
2-Hexanone	ND		300	ppb (v/v)
Dibromochloromethane	ND		20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		20	ppb (v/v)
Chlorobenzene	ND		20	ppb (v/v)
Ethylbenzene	ND		20	ppb (v/v)
Xylenes (total)	ND		20	ppb (v/v)
Styrene	ND		20	ppb (v/v)
Bromoform	ND		20	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		20	ppb (v/v)
Benzyl chloride	ND		100	ppb (v/v)
4-Ethyltoluene	ND		20	ppb (v/v)
1,3,5-Trimethylbenzene	ND		20	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-007
LAB ID: 135940-0003-SA
Matrix: AIR Sampled: 20 JAN 99 Received: 20 JAN 99
Authorized: 20 JAN 99 Prepared: N/A Analyzed: 21 JAN 99
Instrument: GC/MS-B Dilution: 10

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		20	ppb (v/v)
1,3-Dichlorobenzene	ND		20	ppb (v/v)
1,4-Dichlorobenzene	ND		20	ppb (v/v)
1,2-Dichlorobenzene	ND		20	ppb (v/v)
1,2,4-Trichlorobenzene	ND		200	ppb (v/v)
Hexachlorobutadiene	ND		40	ppb (v/v)

ND = Not Detected

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219530
FORM 0019 REV. 2-97

24&G2G SOIL GAS SAMPLING

OHM's LAB COORDINATOR: Thizar Tinhut - Williams	LAB COORDINATOR'S PHONE: (949) 362-1146	LAB COORDINATOR'S FAX: (949) ~~362~~ 475-5433	LABORATORY SERVICE ID: Q135935	LABORATORY CONTACT:	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: SPT@SITE 24	PROJECT LOCATION: EL TORO MCAS	PROJECT NUMBER: 18232	LABORATORY PHONE:	LABORATORY FAX:	RECIPIENT NAME: 2031 Main Street
PROJECT CONTACT: Thizar Tinhut - Williams	PROJECT PHONE NUMBER: (949) 362-1146	PROJECT FAX: (949) 362-1147	LABORATORY ADDRESS: QUANTERRA		ADDRESS: Dwayne Ishida
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: SANTA ANA, CA	CLIENT: Lockheed Martin Div.	CITY, STATE AND ZIPCODE:		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: Bill Sedak	PROJECT MANAGER'S PHONE: (949) 362-1146	PROJECT MANAGER'S FAX: (949) 362-1147			

Item	Sample Identifier	Matrix	Date 1999	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO14	Analyses: HOLD	Comments
1	18232-001	VAPOR	1-19	1357	–	2	III	24HR		X	SAMPLE ONLY IF 18232-002 IS DETECTED
2	18232-002	VAPOR	1-19	1355	–	2	III	24HR	X		
3	18232-003	VAPOR	1-19	1435	–	3	III	24HR	X		
4	18232-004	VAPOR	1-19	1705	–	3	III	24HR	X		
5											
6											
7											
8											
9											
10											

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
C PARRISH		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Cary Parrish	[illegible]	1-19-99	17:00	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
~~1. AMBIENT (THROUGH TUBING~~				
1. TUBING TEST	X			X
2. AMBIENT (THROUGH TUBING)	X			X
3. 24&G2G 71.5-72.5	X			
4. 24&G2G 94.5-95.5	X			

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

5926
Tubing QC

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-001
LAB ID: 135935-0001-SA
Matrix: AIR — Sampled: 19 JAN 99 — Received: 19 JAN 99
Authorized: 19 JAN 99 — Prepared: N/A — Analyzed: 20 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	2.0		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	150		10	ppb (v/v)
Methylene chloride	9.6		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	59		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	12		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	12		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	51		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	15		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	12		2.0	ppb (v/v)
Xylenes (total)	62		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	9.6		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	3.4		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-001
LAB ID: 135935-0001-SA
Matrix: AIR
Authorized: 19 JAN 99
Instrument: GC/MS-B

Sampled: 19 JAN 99
Prepared: N/A
Dilution: 1.0

Received: 19 JAN 99
Analyzed: 20 JAN 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	11		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

SG26
Ambient

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-002
LAB ID: 135935-0002-SA
Matrix: AIR — Sampled: 19 JAN 99 — Received: 19 JAN 99
Authorized: 19 JAN 99 — Prepared: N/A — Analyzed: 20 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	46		10	ppb (v/v)
Methylene chloride	3.0	F	2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	11		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	4.2		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	38		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	12		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	11		2.0	ppb (v/v)
Xylenes (total)	58		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	9.3		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-002
LAB ID: 135935-0002-SA
Matrix: AIR Sampled: 19 JAN 99 Received: 19 JAN 99
Authorized: 19 JAN 99 Prepared: N/A Analyzed: 20 JAN 99
Instrument: GC/MS-B Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	3.2		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	10		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Sg26 @ 71.5

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-003
LAB ID: 135935-0003-SA
Matrix: AIR — Sampled: 19 JAN 99 — Received: 19 JAN 99
Authorized: 19 JAN 99 — Prepared: N/A — Analyzed: 20 JAN 99
Instrument: GC/MS-B — Dilution: 400

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		800	ppb (v/v)
Chloromethane	ND		1600	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		800	ppb (v/v)
Vinyl chloride	ND		800	ppb (v/v)
Bromomethane	ND		800	ppb (v/v)
Chloroethane	ND		1600	ppb (v/v)
Trichlorofluoromethane	ND		800	ppb (v/v)
1,1-Dichloroethene	1000		800	ppb (v/v)
Carbon disulfide	ND		4000	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	83000		800	ppb (v/v)
Acetone	ND		4000	ppb (v/v)
Methylene chloride	ND		800	ppb (v/v)
trans-1,2-Dichloroethene	ND		800	ppb (v/v)
Methyl t-butyl ether	ND		4000	ppb (v/v)
1,1-Dichloroethane	ND		800	ppb (v/v)
Vinyl acetate	ND		4000	ppb (v/v)
cis-1,2-Dichloroethene	ND		800	ppb (v/v)
2-Butanone	ND		4000	ppb (v/v)
Chloroform	ND		800	ppb (v/v)
1,1,1-Trichloroethane	ND		800	ppb (v/v)
Carbon tetrachloride	ND		800	ppb (v/v)
Benzene	ND		800	ppb (v/v)
1,2-Dichloroethane	ND		800	ppb (v/v)
Trichloroethene	3700		800	ppb (v/v)
1,2-Dichloropropane	ND		800	ppb (v/v)
Bromodichloromethane	ND		800	ppb (v/v)
cis-1,3-Dichloropropene	ND		800	ppb (v/v)
4-Methyl-2-pentanone	ND		4000	ppb (v/v)
Toluene	ND		2000	ppb (v/v)
trans-1,3-Dichloropropene	ND		800	ppb (v/v)
1,1,2-Trichloroethane	ND		800	ppb (v/v)
Tetrachloroethene	ND		800	ppb (v/v)
2-Hexanone	ND		12000	ppb (v/v)
Dibromochloromethane	ND		800	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		800	ppb (v/v)
Chlorobenzene	ND		800	ppb (v/v)
Ethylbenzene	ND		800	ppb (v/v)
Xylenes (total)	ND		800	ppb (v/v)
Styrene	ND		800	ppb (v/v)
Bromoform	ND		800	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		800	ppb (v/v)
Benzyl chloride	ND		4000	ppb (v/v)
4-Ethyltoluene	ND		800	ppb (v/v)
1,3,5-Trimethylbenzene	ND		800	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-003
LAB ID: 135935-0003-SA
Matrix: AIR Sampled: 19 JAN 99 Received: 19 JAN 99
Authorized: 19 JAN 99 Prepared: N/A Analyzed: 20 JAN 99
Instrument: GC/MS-B Dilution: 400

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		800	ppb (v/v)
1,3-Dichlorobenzene	ND		800	ppb (v/v)
1,4-Dichlorobenzene	ND		800	ppb (v/v)
1,2-Dichlorobenzene	ND		800	ppb (v/v)
1,2,4-Trichlorobenzene	ND		8000	ppb (v/v)
Hexachlorobutadiene	ND		1600	ppb (v/v)

ND = Not Detected

S926 @ 93'

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: OHM Remediation Services Corporation
Client ID: 18233-004
LAB ID: 135935-0004-SA
Matrix: AIR — Sampled: 19 JAN 99 — Received: 19 JAN 99
Authorized: 19 JAN 99 — Prepared: N/A — Analyzed: 20 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7		2.0	ppb (v/v)
Acetone	14		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	10		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	15		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	5.0		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	3.5		2.0	ppb (v/v)
Xylenes (total)	20		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	3.9		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18233-004
LAB ID: 135935-0004-SA
Matrix: AIR Sampled: 19 JAN 99 Received: 19 JAN 99
Authorized: 19 JAN 99 Prepared: N/A Analyzed: 20 JAN 99
Instrument: GC/MS-B Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

(µg/L) results

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219530
FORM 0019 REV 2-97

248626 SOIL GAS SAMPLING

OHM's LAB COORDINATOR: Thazir Tuhut - Williams	LAB COORDINATOR'S PHONE: (419) 262-1146	LAB COORDINATOR'S FAX: (419) 475-5733	LABORATORY SERVICE ID: Q135935	LABORATORY CONTACT:	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: SPT@SITE 24	PROJECT LOCATION: EL TORO MCAS	PROJECT NUMBER: 18233	LABORATORY PHONE:	LABORATORY FAX:	RECIPIENT NAME: 2031 Main Street
PROJECT CONTACT: Thazir Tuhut - Williams	PROJECT PHONE NUMBER: (419) 262-1146	PROJECT FAX: (419) 262-1147	LABORATORY ADDRESS: QUANTERRA		ADDRESS: Dwayne Ishida
PROJECT ADDRESS: MARINE CORPS	CITY, STATE AND ZIPCODE: SANTA ANA, CA	CLIENT: OHM REMEDIATION DIV.	CITY, STATE AND ZIPCODE:		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: Will Smith	PROJECT MANAGER'S PHONE: (419) 262-1146	PROJECT MANAGER'S FAX: (419) 262-1147			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TPH	Analyses: HCO	Comments
1	18233-001	VAPOR	1-19	1257	–	2	III	24HR		X	SAMPLE ONLY IF 18233-001 IS DETECTED
2	18233-002	VAPOR	1-19	1255	–	2	III	24HR	X		
3	18233-003	VAPOR	1-19	1435	–	3	III	24HR	X		
4	18233-004	VAPOR	1-19	1700	–	3	III	24HR	X		
5											
6											
7											
8											
9											
10											

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
C. FARRISH		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Cathy Farrish	[illegible]	1-19-99	17:0[illegible]	[illegible]

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
~~1. AMBIENT (THROUGH TUBING~~				
1. TUBING TEST	X			X
2. AMBIENT (THROUGH TUBING)	X			X
3. 248G26 71.5-72.5	X			
4. 248G26 94.5-95.5	X			

Comments

Sample Type: G - Grab. C - Composite. F - Field Sample. QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	135935-1 OHM	**Data Analyzed:**	20 Jan 1999 15:08
Misc. Info:	500 ML, 18233-001 TEDLAR BA	**Method:**	MSB0120
Data Name:	B0917.D	**Shift Cali.File:**	CC01201.D
Data Path:	D:\GCMSB\990118\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.01	0.0101	0.0099
3)	Chloromethan	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.03	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.02	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.17	ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	-0.01	0.3539	0.0237
13)	Methylene Chloride	-0.01	0.0334	0.0069
14)	t-1,2-Dichloroethene	-0.26	ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.03	ND	0.0351
17)	c-1,2-Dichloroethene	0.01	ND	0.0079
18)	2-Butanone	-0.02	0.0340	0.0294
19)	Chloroform		ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	0.02	ND	0.0126
23)	Benzene	0.00	0.0367	0.0064
25)	1,2-Dichloroethane	0.21	~~0.0478~~ ND RT	0.0081
26)	Trichloroethene	-0.04	ND	0.0107
27)	1,2-Dichloropropane	0.25	~~0.0008~~ ND RT	0.0092
28)	Bromodichloromethane	0.01	ND	0.0134
29)	c-1,3-Dichloropropene	-0.41	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.42	~~0.0688~~ ND RT	0.0409
32)	Toluene	-0.09	0.1927	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.25	ND	0.0091
35)	1,1,2-Trichloroethane	0.05	ND	0.0109
36)	Tetrachloroethene	0.05	0.0996	0.0135
37)	2-Hexanone	-0.01	ND	0.1226
38)	Dibromochloromethane	-0.48	~~0.0389~~ ND RT	0.0170
39)	1,2-Dibromoethane	-0.01	ND	0.0153
40)	Chlorobenzene	0.04	ND	0.0092
41)	Ethylbenzene	0.01	0.0522	0.0087
42)	p,&m-Xylene TOTAL	0.01	0.2063	0.0087
43)	o-Xylene XYLENES	0.03	0.2671 0.0608	0.0087
44)	Styrene	0.03	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 20:07 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	135935-2 OHM	Data Analyzed:	20 Jan 1999 14:34
Misc. Info:	500 ML. 18233-002 TEDLAR BA	Method:	MSB0120
Data Name:	b0916.d	Shift Cali.File:	CC01201.D
Data Path:	d:\gcmsb\990118\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.01	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.01	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene	-0.19	ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	-0.01	0.1095	0.0237
13)	Methylene Chloride	0.00	0.0104 F	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.24	ND	0.0351
17)	c-1,2-Dichloroethene	-0.04	ND	0.0079
18)	2-Butanone	-0.00	ND	0.0294
19)	Chloroform	0.02	ND	0.0097
20)	1,1,1-Trichloroethane	0.05	ND	0.0109
21)	Carbon Tetrachloride	0.02	ND	0.0126
23)	Benzene	-0.00	0.0134	0.0064
25)	1,2-Dichloroethane	0.19	ND	0.0081
26)	Trichloroethene	0.00	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane	-0.08	ND	0.0134
29)	c-1,3-Dichloropropene	-0.15	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.03	ND	0.0409
32)	Toluene	-0.07	0.1448	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	0.33	ND	0.0091
35)	1,1,2-Trichloroethane	-0.12	ND	0.0109
36)	Tetrachloroethene	0.04	0.0841	0.0135
37)	2-Hexanone	0.01	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	-0.13	ND	0.0153
40)	Chlorobenzene	0.28	ND	0.0092
41)	Ethylbenzene	-0.00	0.0483	0.0087
42)	p,&m-Xylene TOTAL	0.00	0.1908	0.0087
43)	o-Xylene XYLENES	0.04 0.2502	0.0594	0.0087
44)	Styrene	0.01	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 20:08 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	135935-2 OHM	**Data Analyzed:**	01/20/19 -1:4:
Misc. Info:	500 ML, 18233-002 TEDLAR	**Method:**	MSB0120
Data Name:	b0916.d	**Shift Call.File:**	CC01201.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.36	ND	0.0137
48)	Benzyl Chloride	0.05	ND	0.0518
49)	4-Ethyl Toluene	0.07	0.0455	0.0098
50)	1,3,5-Trimethylbenzene	0.10	0.0157	0.0098
51)	1,2,4-Trimethylbenzene	0.11	0.0512	0.0098
52)	1,3-Dichlorobenzene	0.09	ND	0.0120
53)	1,4-Dichlorobenzene	0.04	ND	0.0120
54)	1,2-Dichlorobenzene	-0.38	ND	0.0120
55)	1,2,4-Trichlorobenzene	-0.22	ND	0.1481
56)	Hexachlorobutadiene	-0.40	ND	0.0426
	MTBE		0.040	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	285035	255766	OK	7.03	7.01	OK
1,4-Difluorobenzene	1058319	915785	OK	8.66	8.64	OK
Chlorobenzene-d5	477844	390054	OK	13.97	13.78	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.93	97.9
Toluene-d8	50	47.91	95.8
4-Bromofluorobenzene	50	66.19	132.4

Comments:

Foot Notes: E

1st Review: PM 1/20/99 2nd Review YOM 1/21/99

Quanterra Air Toxics Lab

Sample Name:	135935-3 OHM	**Data Analyzed:**	20 Jan 1999 13:59
Misc. Info:	1.25 ML, 18233-003 TEDLAR BA	**Method:**	MSB0120
Data Name:	B0915.D	**Shift Call.File:**	CC01201.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	400

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1		ND	3.9480
3)	Chloromethan	-0.44	ND	3.2976
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	5.5808
5)	Vinyl Chloride		ND	2.0408
6)	Bromomethan	0.19	ND	3.1000
7)	Chloroethane		ND	4.2128
8)	Trichlorofluoromethane (11)		ND	4.4856
9)	1,1-Dichloroethene	-0.01	4.0030	3.1656
10)	Carbon Disulfide	0.00	ND	12.4320
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	638.1178	6.1184
12)	Acetone	-0.04	~~11.4153~~ ND MS(58)	9.4840
13)	Methylene Chloride		ND	2.7736
14)	t-1,2-Dichloroethene		ND	3.1656
15)	1,1-Dichloroethane		ND	3.2312
16)	Vinyl Acetate	-0.10	ND	14.0560
17)	c-1,2-Dichloroethene		ND	3.1656
18)	2-Butanone		ND	11.7720
19)	Chloroform	-0.00	ND	3.8984
20)	1,1,1-Trichloroethane		ND	4.3560
21)	Carbon Tetrachloride	-0.01	ND	5.0224
23)	Benzene		ND	2.5504
25)	1,2-Dichloroethane		ND	3.2312
26)	Trichloroethene	-0.02	19.6301	4.2904
27)	1,2-Dichloropropane		ND	3.6896
28)	Bromodichloromethane		ND	5.3496
29)	c-1,3-Dichloropropene		ND	3.6232
30)	4-Methyl-2-Pentanone	-0.05	ND	16.3520
32)	Toluene	-0.01	ND	~~3.0085~~ 7.522
34)	t-1,3-Dichloropropene		ND	3.6232
35)	1,1,2-Trichloroethane		ND	4.3560
36)	Tetrachloroethene		ND	5.4152
37)	2-Hexanone		ND	49.0560
38)	Dibromochloromethane		ND	6.8016
39)	1,2-Dibromoethane		ND	6.1344
40)	Chlorobenzene		ND	3.6752
41)	Ethylbenzene	0.02	ND	3.4664
42)	p,&m-Xylene	-0.05	ND	3.4664
43)	o-Xylene		ND	3.4664
44)	Styrene		ND	3.4008
45)	Bromoform		ND	8.2528

Sample Name:	135935-3 OHM	**Data Analyzed:**	01/20/19 -1:3:
Misc. Info:	1.25 ML, 18233-003 TEDLAR	**Method:**	MSB0120
Data Name:	B0915.D	**Shift Call.File:**	CC01201.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	400

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.49	ND	5.4808
48)	Benzyl Chloride	0.43	ND	20.7040
49)	4-Ethyl Toluene	0.15	ND	3.9248
50)	1,3,5-Trimethylbenzene	-0.23	ND	3.9248
51)	1,2,4-Trimethylbenzene		ND	3.9248
52)	1,3-Dichlorobenzene		ND	4.8000
53)	1,4-Dichlorobenzene		ND	4.8000
54)	1,2-Dichlorobenzene		ND	4.8000
55)	1,2,4-Trichlorobenzene		ND	59.2480
56)	Hexachlorobutadiene		ND	17.0288
	MTBE		ND	14.4

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	285035	260097	OK	7.03	7.04	OK
1,4-Difluorobenzene	1058319	977262	OK	8.66	8.68	OK
Chlorobenzene-d5	477844	462698	OK	13.97	13.97	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	46.70	93.4
Toluene-d8	50	52.41	104.8
4-Bromofluorobenzene	50	44.51	89.0

Comments:

Foot Notes:

1st Review: DM 1/20/99 2nd Review Yom 1/21/99

Quanterra Air Toxics Lab

Sample Name:	135935-4 OHM	**Data Analyzed:**	20 Jan 1999 13:31
Misc. Info:	500 ML, 18233-004 TEDLAR BA	**Method:**	MSB0120
Data Name:	B0914.D	**Shift Cali.File:**	CC01201.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.01	ND	0.0099
3)	Chloromethan	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.28	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.04	ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	0.0358	0.0153
12)	Acetone	0.02	0.0335	0.0237
13)	Methylene Chloride	-0.00	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.20	ND	0.0081
16)	Vinyl Acetate	-0.04	ND	0.0351
17)	c-1,2-Dichloroethene	-0.12	ND	0.0079
18)	2-Butanone	-0.00	ND	0.0294
19)	Chloroform	0.00	ND	0.0097
20)	1,1,1-Trichloroethane	0.02	ND	0.0109
21)	Carbon Tetrachloride	0.02	ND	0.0126
23)	Benzene	-0.01	ND	0.0064
25)	1,2-Dichloroethane	0.16	ND	0.0081
26)	Trichloroethene	-0.02	0.0561	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane	0.13	ND	0.0134
29)	c-1,3-Dichloropropene	0.37	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.39	ND	0.0409
32)	Toluene	-0.08	0.0556	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	0.13	ND	0.0091
35)	1,1,2-Trichloroethane	0.10	ND	0.0109
36)	Tetrachloroethene	0.04	0.0335	0.0135
37)	2-Hexanone	-0.03	ND	0.1226
38)	Dibromochloromethane	-0.49	~~0.0212~~ ND RT	0.0170
39)	1,2-Dibromoethane	0.50	ND	0.0153
40)	Chlorobenzene	0.10	ND	0.0092
41)	Ethylbenzene	-0.00	0.0156	0.0087
42)	p,&m-Xylene TOTAL	-0.02	0.0652	0.0087
43)	o-Xylene XYLENES	0.05 0.0850	0.0198	0.0087
44)	Styrene	0.05	ND	0.0085
45)	Bromoform		ND	0.0206

d:\gcmsb\990118\b0914.d

Sample Name:	135935-4 OHM	**Data Analyzed:**	01/20/19 -1:3:
Misc. Info:	500 ML, 18233-004 TEDLAR	**Method:**	MSB0120
Data Name:	B0914.D	**Shift Call.File:**	CC01201.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.26	ND	0.0137
48)	Benzyl Chloride	0.02	ND	0.0518
49)	4-Ethyl Toluene	0.08	0.0191	0.0098
50)	1,3,5-Trimethylbenzene	-0.12	~~0.0214~~ ND RT	0.0098
51)	1,2,4-Trimethylbenzene	-0.01	ND	0.0098
52)	1,3-Dichlorobenzene	0.37	ND	0.0120
53)	1,4-Dichlorobenzene	0.16	ND	0.0120
54)	1,2-Dichlorobenzene	-0.35	ND	0.0120
55)	1,2,4-Trichlorobenzene	-0.20	ND	0.1481
56)	Hexachlorobutadiene	-0.38	ND	0.0426
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	285035	264097	OK	7.03	7.03	OK
1,4-Difluorobenzene	1058319	952257	OK	8.66	8.65	OK
Chlorobenzene-d5	477844	383515	OK	13.97	13.78	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	49.41	98.8
Toluene-d8	50	49.21	98.4
4-Bromofluorobenzene	50	65.71	131.4

Comments:

Foot Notes:

1st Review: PM 1/20/99 2nd Review Yom 1/21/99

Note: Correction 18233-007 chloroform = 27 ppb 1,1,1-TCA = ND

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219532
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Thizar Tinbit-Williams	(419) 263-1146	(419) 475-5433	Q135940		OHM Remediation

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
Site 106 MCAS	MCAS El Toro	18233	(626) 965-1006		Duwayne Ichida

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Thizar Tinbit-Williams	(419) 263-1146	(419) 263-1147	Sunaterra	2031 Main Street

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE, AND ZIPCODE
MCAS El Toro	Santa Ana, CA	Lynn Hamecker, Sue Dix	City of Industry, CA	Irvine, CA

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Bill Sedlak	(419) 263-1146	(419) 263-1147

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14								Comments
1	18233-[illegible]005	Vapor	1/21/99	0900	Ambient	2	III	24hr	X								
2	18233-[illegible]006	Vapor	1/21/99	1000	Ambient	3	III	24hr	X								
3	18233-[illegible]007	Vapor	1/21/99	1125	Ambient	3	I	24hr	X								
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Finley 1/21/99

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
Sandra Finley		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Sandra Finley	Wayne Dunn - Dunn Labs	1-21-99	3:30 PM	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) 24SG106 - Amb	X		X	X
(2) 24SG106 - @ 7'	X		X	
(3) 24SG106 - @ 90'	X		X	

Comments: Soil Gas sampling @ location 106

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-005		
LAB ID:	135940-0001-SA		
Matrix:	AIR	Sampled: 20 JAN 99	Received: 20 JAN 99
Authorized:	20 JAN 99	Prepared: N/A	Analyzed: 21 JAN 99
Instrument:	GC/MS-B	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	0.11		0.024	ug/L
Methylene chloride	0.010		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	0.040		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	0.015	F	0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	0.011		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.12		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	0.053		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	0.028		0.0087	ug/L
Xylenes (total)	0.13		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	0.023		0.0099	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-005
LAB ID: 135940-0001-SA
Matrix: AIR — Sampled: 20 JAN 99 — Received: 20 JAN 99
Authorized: 20 JAN 99 — Prepared: N/A — Analyzed: 21 JAN 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.0098	ug/L
1,2,4-Trimethylbenzene	0.027		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name:	IT Group		
Client ID:	18233-006		
LAB ID:	135940-0002-SA		
Matrix:	AIR	Sampled: 20 JAN 99	Received: 20 JAN 99
Authorized:	20 JAN 99	Prepared: N/A	Analyzed: 21 JAN 99
Instrument:	GC/MS-B	Dilution: 3.3	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.033	ug/L
Chloromethane	ND		0.027	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.047	ug/L
Vinyl chloride	ND		0.017	ug/L
Bromomethane	ND		0.026	ug/L
Chloroethane	ND		0.037	ug/L
Trichlorofluoromethane	ND		0.037	ug/L
1,1-Dichloroethene	0.066		0.026	ug/L
Carbon disulfide	ND		0.10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4		0.050	ug/L
Acetone	0.12		0.080	ug/L
Methylene chloride	0.26		0.023	ug/L
trans-1,2-Dichloroethene	ND		0.026	ug/L
Methyl t-butyl ether	ND		0.12	ug/L
1,1-Dichloroethane	ND		0.027	ug/L
Vinyl acetate	ND		0.12	ug/L
cis-1,2-Dichloroethene	ND		0.026	ug/L
2-Butanone	ND		0.097	ug/L
Chloroform	0.065		0.032	ug/L
1,1,1-Trichloroethane	ND		0.037	ug/L
Carbon tetrachloride	ND		0.043	ug/L
Benzene	ND		0.021	ug/L
1,2-Dichloroethane	ND		0.027	ug/L
Trichloroethene	3.6		0.037	ug/L
1,2-Dichloropropane	ND		0.031	ug/L
Bromodichloromethane	ND		0.043	ug/L
cis-1,3-Dichloropropene	ND		0.030	ug/L
4-Methyl-2-pentanone	ND		0.14	ug/L
Toluene	0.12		0.063	ug/L
trans-1,3-Dichloropropene	ND		0.030	ug/L
1,1,2-Trichloroethane	ND		0.037	ug/L
Tetrachloroethene	0.055		0.047	ug/L
2-Hexanone	ND		0.40	ug/L
Dibromochloromethane	ND		0.057	ug/L
1,2-Dibromoethane (EDB)	ND		0.050	ug/L
Chlorobenzene	ND		0.031	ug/L
Ethylbenzene	ND		0.029	ug/L
Xylenes (total)	0.086		0.029	ug/L
Styrene	ND		0.028	ug/L
Bromoform	ND		0.070	ug/L
1,1,2,2-Tetrachloroethane	ND		0.047	ug/L
Benzyl chloride	ND		0.17	ug/L
4-Ethyltoluene	ND		0.033	ug/L
1,3,5-Trimethylbenzene	ND		0.033	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18233-006
LAB ID: 135940-0002-SA
Matrix: AIR Sampled: 20 JAN 99 Received: 20 JAN 99
Authorized: 20 JAN 99 Prepared: N/A Analyzed: 21 JAN 99
Instrument: GC/MS-B Dilution: 3.3

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.033	ug/L
1,3-Dichlorobenzene	ND		0.040	ug/L
1,4-Dichlorobenzene	ND		0.040	ug/L
1,2-Dichlorobenzene	ND		0.040	ug/L
1,2,4-Trichlorobenzene	ND		0.50	ug/L
Hexachlorobutadiene	ND		0.14	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-007
LAB ID: 135940-0003-SA
Matrix: AIR
Authorized: 20 JAN 99
Instrument: GC/MS-B

Sampled: 20 JAN 99
Prepared: N/A
Dilution: 10

Received: 20 JAN 99
Analyzed: 21 JAN 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		20	ppb (v/v)
Chloromethane	ND		40	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		20	ppb (v/v)
Vinyl chloride	ND		20	ppb (v/v)
Bromomethane	ND		20	ppb (v/v)
Chloroethane	ND		40	ppb (v/v)
Trichlorofluoromethane	ND		20	ppb (v/v)
1,1-Dichloroethene	57		20	ppb (v/v)
Carbon disulfide	ND		100	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	1400		20	ppb (v/v)
Acetone	130		100	ppb (v/v)
Methylene chloride	64		20	ppb (v/v)
trans-1,2-Dichloroethene	ND		20	ppb (v/v)
Methyl t-butyl ether	ND		100	ppb (v/v)
1,1-Dichloroethane	ND		20	ppb (v/v)
Vinyl acetate	ND		100	ppb (v/v)
cis-1,2-Dichloroethene	ND		20	ppb (v/v)
2-Butanone	ND		100	ppb (v/v)
hloroform	27		20	ppb (v/v)
,1,1-Trichloroethane	ND		20	ppb (v/v)
Carbon tetrachloride	ND		20	ppb (v/v)
Benzene	ND		20	ppb (v/v)
1,2-Dichloroethane	ND		20	ppb (v/v)
Trichloroethene	2300		20	ppb (v/v)
1,2-Dichloropropane	ND		20	ppb (v/v)
Bromodichloromethane	ND		20	ppb (v/v)
cis-1,3-Dichloropropene	ND		20	ppb (v/v)
4-Methyl-2-pentanone	ND		100	ppb (v/v)
Toluene	ND		50	ppb (v/v)
trans-1,3-Dichloropropene	ND		20	ppb (v/v)
1,1,2-Trichloroethane	ND		20	ppb (v/v)
Tetrachloroethene	ND		20	ppb (v/v)
2-Hexanone	ND		300	ppb (v/v)
Dibromochloromethane	ND		20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		20	ppb (v/v)
Chlorobenzene	ND		20	ppb (v/v)
Ethylbenzene	ND		20	ppb (v/v)
Xylenes (total)	ND		20	ppb (v/v)
Styrene	ND		20	ppb (v/v)
Bromoform	ND		20	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		20	ppb (v/v)
Benzyl chloride	ND		100	ppb (v/v)
4-Ethyltoluene	ND		20	ppb (v/v)
1,3,5-Trimethylbenzene	ND		20	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name:	IT Group		
Client ID:	18233-007		
LAB ID:	135940-0003-SA		
Matrix:	AIR	Sampled: 20 JAN 99	Received: 20 JAN 99
Authorized:	20 JAN 99	Prepared: N/A	Analyzed: 21 JAN 99
Instrument:	GC/MS-B	Dilution: 10	

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.098	ug/L
1,3-Dichlorobenzene	ND		0.12	ug/L
1,4-Dichlorobenzene	ND		0.12	ug/L
1,2-Dichlorobenzene	ND		0.12	ug/L
1,2,4-Trichlorobenzene	ND		1.5	ug/L
Hexachlorobutadiene	ND		0.42	ug/L

ND = Not Detected

(ug/L)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

219464

FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR: Thizar Tintut-Williams	LAB COORDINATOR'S PHONE: (949) 263-1146	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: Q135961	LABORATORY CONTACT: MARIA JONES	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas QC Study	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18233	LABORATORY PHONE: (626) 965-7000	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Thizar Tintut-Williams	PROJECT PHONE NUMBER: (949) 451-1667	PROJECT FAX: (949) 451-1672	LABORATORY ADDRESS: QUANTERRA		ADDRESS: 3347 Michelson, Suite 200
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Hornecker, SW DIV.	CITY, STATE AND ZIPCODE: City of Industry, CA		CITY, STATE, AND ZIPCODE: Irvine, CA
PROJECT MANAGER: BILL SEDAR	PROJECT MANAGER'S PHONE: (949) 263-1146	PROJECT MANAGER'S FAX: (949) 263-1147			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	18233-008	Vapor	1/21/99	1050	Summa canister	1	III	24-hr	X	
2	18233-009	Vapor	1/21/99	1105	Summa canister	1	III	24-hr	X	
3	18233-010	Vapor	1/21/99	1110	Summa canister	1	IV	24-hr	X	
4										
5										
6										
7										
8										
9										
10										

1/21/99

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		1/21/99	13:15	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. Ambient Inside Fusro CPT truck	X		X	X
2. Ambient	X		X	X
3. Tubing (400 ft) QC	X		X	X

Comments

Collected with 6-L Summa Canisters

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	135 9 11 -1 OHM	**Data Analyzed:**	21 Jan 1999 15:52
Misc. Info:	850 ML 18233-008 24.6/14.6	**Method:**	MSB0121
Data Name:	B0931.D	**Shift Call.File:**	CC01211.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	0.9911

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.06	ND	0.0098
3)	Chloromethan	-0.06	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.28	ND	0.0138
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	-0.04	ND	0.0077
7)	Chloroethane		ND	0.0104
8)	Trichlorofluoromethane (11)	-0.02	ND	0.0111
9)	1,1-Dichloroethene	-0.24	ND	0.0078
10)	Carbon Disulfide		ND	0.0308
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0152
12)	Acetone	-0.01	0.0530	0.0235
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0078
15)	1,1-Dichloroethane		ND	0.0080
16)	Vinyl Acetate	-0.04	ND	0.0348
17)	c-1,2-Dichloroethene	-0.06	ND	0.0078
18)	2-Butanone	0.03	ND	0.0292
19)	Chloroform	0.32	ND	0.0097
20)	1,1,1-Trichloroethane	0.02	ND	0.0108
21)	Carbon Tetrachloride	-0.01	ND	0.0124
23)	Benzene	-0.02	ND	0.0063
25)	1,2-Dichloroethane		ND	0.0080
26)	Trichloroethene	0.00	ND	0.0106
27)	1,2-Dichloropropane		ND	0.0091
28)	Bromodichloromethane	0.00	ND	0.0133
29)	c-1,3-Dichloropropene	0.45	ND	0.0090
30)	4-Methyl-2-Pentanone	-0.05	ND	0.0405
32)	Toluene	-0.07	ND	0.0075
34)	t-1,3-Dichloropropene		ND	0.0090
35)	1,1,2-Trichloroethane		ND	0.0108
36)	Tetrachloroethene	0.02	ND	0.0134
37)	2-Hexanone	-0.05	ND	0.1215
38)	Dibromochloromethane		ND	0.0169
39)	1,2-Dibromoethane		ND	0.0152
40)	Chlorobenzene		ND	0.0091
41)	Ethylbenzene	-0.00	ND	0.0086
42)	p,&m-Xylene	0.00	ND	0.0086
43)	o-Xylene	0.06	ND	0.0086
44)	Styrene	0.04	ND	0.0084
45)	Bromoform		ND	0.0204

FEB 8'99 20:02 FR 714 258 0921 TO OHM-IRVINE P.03

Sample Name:	135 -1 OHM	**Data Analyzed:**	01/21/19 -1:5:
Misc. Info:	850 ML 18233-008 24.6/14.6	**Method:**	MSB0121
Data Name:	B0931.D	**Shift Cali.File:**	CC01211.D
Data Path:	d:\gcmsb\990118\	**Dilution Factor:**	0.9911

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.48	ND	0.0136
48)	Benzyl Chloride	-0.06	ND	0.0513
49)	4-Ethyl Toluene	0.09	ND	0.0097
50)	1,3,5-Trimethylbenzene	-0.09	ND	0.0097
51)	1,2,4-Trimethylbenzene	0.04	ND	0.0097
52)	1,3-Dichlorobenzene		ND	0.0119
53)	1,4-Dichlorobenzene	0.13	ND	0.0119
54)	1,2-Dichlorobenzene		ND	0.0119
55)	1,2,4-Trichlorobenzene	-0.18	ND	0.1468
56)	Hexachlorobutadiene	-0.37	ND	0.0422
	MTBE		ND	0.0369

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	266427	254310	OK	7.03	7.01	OK
1,4-Difluorobenzene	1019081	891573	OK	8.65	8.64	OK
Chlorobenzene-d5	460971	368793	OK	13.97	13.78	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.36	102.7
Toluene-d8	50	46.89	93.8
4-Bromofluorobenzene	50	69.50	139.0

Comments:

Foot Notes:

1st Review: 1/21/99 2nd Review YOM 1/22/99

FEB 8'99 20:03 FR 714 258 0921 TO OHM-IRVINE P.04

Quanterra Air Toxics Lab

Sample Name:	135961-2 OHM	**Data Analyzed:**	21 Jan 1999 16:26
Misc. Info:	850 ML 18233-009 24.6/14.6	**Method:**	MSB0121
Data Name:	B0932.D	**Shift Call.File:**	CC01211.D
Data Path:	D:\GCMSB\990118\	**Dilution Factor:**	0.9911

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	0.03	ND	0.0098
3)	Chloromethan	-0.00	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0138
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethan	0.02	ND	0.0077
7)	Chloroethane		ND	0.0104
8)	Trichlorofluoromethane (11)	-0.00	ND	0.0111
9)	1,1-Dichloroethene		ND	0.0078
10)	Carbon Disulfide		ND	0.0308
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	ND	0.0152
12)	Acetone	0.02	ND	0.0235
13)	Methylene Chloride	0.00	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0078
15)	1,1-Dichloroethane	0.32	ND	0.0080
16)	Vinyl Acetate	0.03	ND	0.0348
17)	c-1,2-Dichloroethene		ND	0.0078
18)	2-Butanone	0.03	ND	0.0292
19)	Chloroform		ND	0.0097
20)	1,1,1-Trichloroethane	-0.02	ND	0.0108
21)	Carbon Tetrachloride	0.04	ND	0.0124
23)	Benzene	0.03	ND	0.0063
25)	1,2-Dichloroethane		ND	0.0080
26)	Trichloroethene		ND	0.0106
27)	1,2-Dichloropropane		ND	0.0091
28)	Bromodichloromethane	-0.24	ND	0.0133
29)	c-1,3-Dichloropropene	0.39	ND	0.0090
30)	4-Methyl-2-Pentanone	0.01	ND	0.0405
32)	Toluene	-0.06	ND	0.0075
34)	t-1,3-Dichloropropene		ND	0.0090
35)	1,1,2-Trichloroethane		ND	0.0108
36)	Tetrachloroethene		ND	0.0134
37)	2-Hexanone		ND	0.1215
38)	Dibromochloromethane		ND	0.0169
39)	1,2-Dibromoethane		ND	0.0152
40)	Chlorobenzene		ND	0.0091
41)	Ethylbenzene	-0.03	ND	0.0086
42)	p,&m-Xylene	0.00	ND	0.0086
43)	o-Xylene	0.03	ND	0.0086
44)	Styrene		ND	0.0084
45)	Bromoform		ND	0.0204

Sample Name:	135 -2 OHM	**Data Analyzed:**	01/21/19 -1:6:
Misc. Info:	850 ML 18233-009 24.6/14.6	**Method:**	MSB0121
Data Name:	B0932.D	**Shift Call.File:**	CC01211.D
Data Path:	D:\GCMSB\990118\	**Dilution Factor:**	0.9911

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.09	ND	0.0136
48)	Benzyl Chloride	0.24	ND	0.0513
49)	4-Ethyl Toluene	-0.01	ND	0.0097
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0097
51)	1,2,4-Trimethylbenzene	-0.05	ND	0.0097
52)	1,3-Dichlorobenzene		ND	0.0119
53)	1,4-Dichlorobenzene		ND	0.0119
54)	1,2-Dichlorobenzene		ND	0.0119
55)	1,2,4-Trichlorobenzene		ND	0.1468
56)	Hexachlorobutadiene		ND	0.0422
	MTBE		ND	0.036

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	266427	264812	OK	7.03	7.01	OK
1,4-Difluorobenzene	1019081	871412	OK	8.65	8.63	OK
Chlorobenzene-d5	460971	442956	OK ✓	13.97	13.87	OK ✓

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.66	107.3
Toluene-d8	50	45.97	91.9
4-Bromofluorobenzene	50	51.17	102.3

Comments:

Foot Notes:

1st Review: 1/21/99 2nd Review 1/22/99

Quanterra Air Toxics Lab

Sample Name:	135961-3 OHM	**Data Analyzed:**	21 Jan 1999 17:32
Misc. Info:	200 ML 18233-010 24.6/11.68	**Method:**	MSB0121
Data Name:	B0934.D	**Shift Cali.File:**	CC01211.D
Data Path:	D:\GCMSB\990118\	**Dilution Factor:**	5.265

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.07	ND	0.0520
3)	Chloromethan	0.24	ND	0.0434
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0735
5)	Vinyl Chloride		ND	0.0269
6)	Bromomethan		ND	0.0408
7)	Chloroethane		ND	0.0555
8)	Trichlorofluoromethane (11)	0.02	ND	0.0590
9)	1,1-Dichloroethene	-0.28	ND	0.0417
10)	Carbon Disulfide	0.02	ND	0.1636
11)	1,1,2-Cl 1,2,2-F ethane (113)		ND	0.0805
12)	Acetone	-0.00	0.8410	0.1248
13)	Methylene Chloride	0.01	ND	0.0365
14)	t-1,2-Dichloroethene		ND	0.0417
15)	1,1-Dichloroethane	0.14	ND	0.0425
16)	Vinyl Acetate	0.04	ND	0.1850
17)	c-1,2-Dichloroethene		ND	0.0417
18)	2-Butanone	-0.02	ND	0.1549
19)	Chloroform		ND	0.0513
20)	1,1,1-Trichloroethane		ND	0.0573
21)	Carbon Tetrachloride		ND	0.0661
23)	Benzene	-0.01	0.0340	0.0336
25)	1,2-Dichloroethane	0.19	~~0.1340~~ ND RT	0.0425
26)	Trichloroethene		ND	0.0565
27)	1,2-Dichloropropane		ND	0.0486
28)	Bromodichloromethane	0.04	ND	0.0704
29)	c-1,3-Dichloropropene	-0.37	ND	0.0477
30)	4-Methyl-2-Pentanone		ND	0.2152
32)	Toluene	-0.01	0.2045	0.0396
34)	t-1,3-Dichloropropene		ND	0.0477
35)	1,1,2-Trichloroethane	0.11	ND	0.0573
36)	Tetrachloroethene	-0.01	ND	0.0713
37)	2-Hexanone	-0.03	ND	0.6457
38)	Dibromochloromethane		ND	0.0895
39)	1,2-Dibromoethane		ND	0.0807
40)	Chlorobenzene		ND	0.0484
41)	Ethylbenzene	-0.03	ND	0.0456
42)	p,&m-Xylene TOTAL	-0.01	0.1769	0.0456
43)	o-Xylene XYLENES	0.01 0.2277	0.0508	0.0456
44)	Styrene	0.04	ND	0.0448
45)	Bromoform		ND	0.1086

FEB 8'99 20:03 FR 714 258 0921 TO OHM-IRVINE P.07

Sample Name:	135961-3 OHM	**Data Analyzed:**	01/21/19 -1:7:
Misc. Info:	200 ML 18233-010 24.6/11.68	**Method:**	MSB0121
Data Name:	B0934.D	**Shift Cali.File:**	CC01211.D
Data Path:	D:\GCMSB\990118\	**Dilution Factor:**	5.265

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.14	~~0.1079~~ ND RT, MS	0.0721
48)	Benzyl Chloride	-0.06	ND	0.2725
49)	4-Ethyl Toluene	-0.02	ND	0.0517
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0517
51)	1,2,4-Trimethylbenzene	0.00	ND	0.0517
52)	1,3-Dichlorobenzene	0.22	ND	0.0632
53)	1,4-Dichlorobenzene	0.05	ND	0.0632
54)	1,2-Dichlorobenzene		ND	0.0632
55)	1,2,4-Trichlorobenzene	0.43	ND	0.7799
56)	Hexachlorobutadiene		ND	0.2241
	MTBE		ND	~~0.19~~ 0.19

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	266427	263417	OK	7.03	7.02	OK
1,4-Difluorobenzene	1019081	999498	OK	8.65	8.66	OK
Chlorobenzene-d5	460971	455538	OK	13.97	13.96	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.89	95.8
Toluene-d8	50	48.35	96.7
4-Bromofluorobenzene	50	50.25	100.5

Comments:

Foot Notes:

1st Review: pu 1/22/99 2nd Review yom 1/22/99

(USIL)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219471
FORM 0019 REV. 2-97

OHM'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
[illegible]	[illegible]	[illegible]	D 136005		Ohm Remediation
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
[illegible]	[illegible]	[illegible]	[illegible]		Dionne Ichida
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
[illegible]	(419) 261-6111	(419) 174-6269	[illegible]		5347 [illegible] Dr. Ste. 206
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
[illegible]	[illegible]	Lynn Hornecker Sr Div	Santa Ana CA		Irvine CA
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
[illegible]	[illegible]	(419) 481-6269			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: TO-14	Analyses: Air Conditioning							Comments
1	16233-115	Vapor	1/10/99	1710	Ambient	2	III	24 hr	X								
2	16233-116	Vapor	1/10/99	1715	Ambient	2	III	24 hr	X								
3	16233-117	Vapor	1/10/99	1735	Ambient	2	III	24 hr	X								
4	16233-118	Vapor	1/10/99	1745	Ambient	2	III	24 hr	X								
5	16233-119	Vapor	1/10/99	1750	Ambient	2	III	24 hr	X								
6	16233-120	Vapor	1/10/99	1800	Ambient	2	III	24 hr	X								
7	16233-121	Vapor	1/10/99	1830	Ambient	2	III	24 hr	X								
8																	
9																	
10																	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
[illegible]				
RELINQUISHED BY	**RECEIVED BY**	**DATE**	**TIME**	**SAMPLE'S CONDITION UPON RECEIPT**
[illegible]	Frank [illegible]	1/11/99	[illegible]	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
(1) Tubing - Amb	X		X	X
(2) 500 ft Tubing	X		X	X
(3) 500 ft Tubing (10 min purge)	X		X	X
(4) 500 ft Tubing (30 min. purge)	X		X	X
(5) 100 ft tubing	X		X	X
(6) 100 ft tubing (10 min purge)	X		X	X
(7) 100 ft tubing (30 min purge)	X		X	X

Comments

a. Tubing Sampling @ Site 34 (between bldg. 216 & 1297)

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	136005-1 OHM	Data Analyzed:	26 Jan 1999 16:39
Misc. Info:	500 ML 18233-015 TEDLAR	Method:	MSA0126
Data Name:	A1940.D	Shift Call.File:	CC01261.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.00	ND	0.0099
3)	Chloromethane	0.07	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.02	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	0.04	ND	0.0237
13)	Methylene Chloride	0.01	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.25	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone		ND	0.0294
19)	Chloroform		ND	0.0097
20)	1,1,1-Trichloroethane		ND	0.0109
21)	Carbon Tetrachloride	-0.04	ND	0.0126
23)	Benzene	0.03	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	-0.41	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.40	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.14	ND	0.0409
32)	Toluene	-0.09	ND	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane		ND	0.0109
36)	Tetrachloroethene		ND	0.0135
37)	2-Hexanone		ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.03	ND	0.0087
42)	p,&m-Xylene	0.01	ND	0.0087
43)	o-Xylene	0.05	ND	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 20:59 FR 714 258 0921 TO OHM-IRVINE P.02

Sample Name:	136005-1 OHM	Data Analyzed:	01/26/19 -1:6:
Misc. Info:	500 ML 18233-015 TEDLAR	Method:	MSA0126
Data Name:	A1940.D	Shift Cali.File:	CC01261.D
Data Path:	D:\GCMSA-1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.0137
48)	Benzyl Chloride	-0.02	ND	0.0518
49)	4-Ethyl Toluene	0.04	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.04	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.11	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426

MTBE ND 0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	234665	189449	OK	7.65	7.67	OK
1,4-Difluorobenzene	1304692	989503	OK	9.35	9.36	OK
Chlorobenzene-d5	546048	482614	OK	14.84	14.76	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.52	105.0
Toluene-d8	50	50.81	101.6
4-Bromofluorobenzene	50	50.24	100.5

Comments:

Foot Notes:

ug/L conversion only
1/0 020899

1st Review: 2nd Review

FEB 8'99 20:59 FR 714 258 0921 TO OHM-IRVINE P.03

Quanterra Air Toxics Lab

Sample Name:	136005-2 OHM	**Data Analyzed:**	26 Jan 1999 18:26
Misc. Info:	500 ML 18233-016 TEDLAR	**Method:**	MSA0126
Data Name:	A1944.D	**Shift Call.File:**	CC01261.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.01	ND	0.0099
3)	Chloromethane	-0.09	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.00	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.02	ND	0.0112
9)	1,1-Dichloroethene	-0.22	ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)		ND	0.0153
12)	Acetone	-0.00	0.0333	0.0237
13)	Methylene Chloride	0.02	0.0556	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.14	ND	0.0351
17)	c-1,2-Dichloroethene	0.42	ND	0.0079
18)	2-Butanone	0.04	ND	0.0294
19)	Chloroform	-0.09	ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.00	ND	0.0064
25)	1,2-Dichloroethane	0.08	ND	0.0081
26)	Trichloroethene	-0.03	0.0114	0.0107
27)	1,2-Dichloropropane	-0.16	~~0.0180~~ ND(RT)	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.45	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.51	ND	0.0409
32)	Toluene	-0.10	0.0583	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.23	ND	0.0109
36)	Tetrachloroethene	-0.02	0.0150	0.0135
37)	2-Hexanone	-0.42	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene	0.06	ND	0.0092
41)	Ethylbenzene	-0.01	ND	0.0087
42)	p,&m-Xylene	0.00	ND	0.0087
43)	o-Xylene	0.02	ND	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 20:59 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	136005-2 OHM	Data Analyzed:	01/26/19 -1:8:
Misc. Info:	500 ML 18233-016 TEDLAR	Method:	MSA0126
Data Name:	A1944.D	Shift Call.File:	CC01261.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.20	ND	0.0137
48)	Benzyl Chloride	0.16	ND	0.0518
49)	4-Ethyl Toluene	0.00	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.07	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.09	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene	-0.28	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	234665	190684	OK	7.65	7.66	OK
1,4-Difluorobenzene	1304692	979714	OK	9.35	9.36	OK
Chlorobenzene-d5	546048	477899	OK	14.84	14.76	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.97	111.9
Toluene-d8	50	52.26	104.5
4-Bromofluorobenzene	50	50.15	100.3

Comments:

Foot Notes:

ug/L conversion only

1st Review: MG 020899 2nd Review

FEB 8'99 21:00 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	136005-3 OHM	**Data Analyzed:**	26 Jan 1999 17:33
Misc. Info:	500 ML 18233-017 TEDLAR	**Method:**	MSA0126
Data Name:	A1942.D	**Shift Cali.File:**	CC01261.D
Data Path:	D:\GCMSA–1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.00	ND	0.0099
3)	Chloromethane		ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.00	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide		ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	0.0153
12)	Acetone	0.02	ND	0.0237
13)	Methylene Chloride	0.02	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.03	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.27	ND	0.0294
19)	Chloroform	0.40	ND	0.0097
20)	1,1,1-Trichloroethane	-0.05	ND	0.0109
21)	Carbon Tetrachloride	-0.01	ND	0.0126
23)	Benzene	0.17	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	-0.04	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene		ND	0.0091
30)	4-Methyl-2-Pentanone	-0.11	ND	0.0409
32)	Toluene	-0.10	~~0.0148~~ ND (RL)	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane		ND	0.0109
36)	Tetrachloroethene	-0.01	ND	0.0135
37)	2-Hexanone		ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.03	ND	0.0087
42)	p,&m-Xylene	0.01	ND	0.0087
43)	o-Xylene	0.04	ND	0.0087
44)	Styrene	0.04	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 21:00 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	136005-3 OHM	Data Analyzed:	01/26/19 -1:7:
Misc. Info:	500 ML 18233-017 TEDLAR	Method:	MSA0126
Data Name:	A1942.D	Shift Call.File:	CC01261.D
Data Path:	D:\GCMSA-1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.29	ND	0.0137
48)	Benzyl Chloride	0.14	ND	0.0518
49)	4-Ethyl Toluene	0.04	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.13	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.12	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	234665	185852	OK	7.65	7.68	OK
1,4-Difluorobenzene	1304692	990541	OK	9.35	9.37	OK
Chlorobenzene-d5	546048	470160	OK	14.84	14.75	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.56	107.1
Toluene-d8	50	49.63	99.3
4-Bromofluorobenzene	50	51.17	102.3

Comments:

Foot Notes:

ug/L conversion only

1st Review: DU 020899 2nd Review

FEB 8'99 21:00 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	136005-4 OHM	**Data Analyzed:**	26 Jan 1999 18:00
Misc. Info:	500 ML 18233-018 TEDLAR	**Method:**	MSA0126
Data Name:	A1943.D	**Shift Cali.File:**	CC01261.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.05	ND	0.0099
3)	Chloromethane	0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.03	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	0.02	ND	0.0237
13)	Methylene Chloride	0.01	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.09	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.04	ND	0.0294
19)	Chloroform	0.44	ND	0.0097
20)	1,1,1-Trichloroethane		ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	-0.09	ND	0.0084
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	0.01	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene		ND	0.0091
30)	4-Methyl-2-Pentanone	-0.05	ND	0.0409
32)	Toluene	-0.09	~~0.0083~~ ND (RL)	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane		ND	0.0109
36)	Tetrachloroethene	-0.03	ND	0.0135
37)	2-Hexanone		ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.08	ND	0.0087
42)	p,&m-Xylene	0.01	ND	0.0087
43)	o-Xylene	0.10	ND	0.0087
44)	Styrene	0.03	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 21:00 FR 714 258 0921 TO OHM-IRVINE P.08

Sample Name:	136005-4 OHM	Data Analyzed:	01/26/19 -1:8:
Misc. Info:	500 ML 18233-018 TEDLAR	Method:	MSA0126
Data Name:	A1943.D	Shift Cali.File:	CC01261.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.19	ND	0.0137
48)	Benzyl Chloride	0.08	ND	0.0518
49)	4-Ethyl Toluene	0.05	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.04	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.09	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426

MTBE ND 0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	234665	180425	OK	7.65	7.65	OK
1,4-Difluorobenzene	1304692	991891	OK	9.35	9.37	OK
Chlorobenzene-d5	546048	471792	OK	14.84	14.76	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.34	104.7
Toluene-d8	50	50.84	101.7
4-Bromofluorobenzene	50	49.07	98.1

Comments:

Foot Notes:

ug/L conversion only

1st Review: NO 020899 2nd Review

FEB 8'99 21:01 FR 714 258 0921 TO OHM-IRVINE P.09

Quanterra Air Toxics Lab

Sample Name:	136005-5 OHM	**Data Analyzed:**	26 Jan 1999 19:46
Misc. Info:	500 ML 18233-019 TEDLAR	**Method:**	MSA0126
Data Name:	A1947.D	**Shift Call.File:**	CC01261.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.02	ND	0.0099
3)	Chloromethane	0.23	~~0.1845~~ ND(RT)	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane	0.03	ND	0.0105
8)	Trichlorofluoromethane (11)	0.02	ND	0.0112
9)	1,1-Dichloroethene	-0.10	ND	0.0079
10)	Carbon Disulfide	0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.04	ND	0.0153
12)	Acetone		ND	0.0237
13)	Methylene Chloride	0.06	~~0.0085~~ ND	0.0069
14)	t-1,2-Dichloroethene	-0.30	~~0.0699~~	0.0079
15)	1,1-Dichloroethane	-0.15	~~0.0095~~	0.0081
16)	Vinyl Acetate	-0.38	~~0.9994~~	0.0351
17)	c-1,2-Dichloroethene	0.34	~~ND~~	0.0079
18)	2-Butanone	-0.01	0.1010	0.0294
19)	Chloroform	0.33	~~ND~~	0.0097
20)	1,1,1-Trichloroethane	0.30	ND	0.0109
21)	Carbon Tetrachloride	0.02	ND	0.0126
23)	Benzene	0.00	ND	0.0064
25)	1,2-Dichloroethane	-0.27	ND	0.0081
26)	Trichloroethene		ND	0.0107
27)	1,2-Dichloropropane	0.13	~~0.0169~~ ND	0.0092
28)	Bromodichloromethane	0.20	ND	0.0134
29)	c-1,3-Dichloropropene	-0.31	ND	0.0091
30)	4-Methyl-2-Pentanone	0.44	~~0.3371~~ ND	0.0409
32)	Toluene	-0.10	~~0.0129~~ ND	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	0.03	ND	0.0091
35)	1,1,2-Trichloroethane	0.14	ND	0.0109
36)	Tetrachloroethene	-0.01	ND	0.0135
37)	2-Hexanone	0.41	ND	0.1226
38)	Dibromochloromethane	-0.39	~~0.0171~~ ND	0.0170
39)	1,2-Dibromoethane	0.05	ND	0.0153
40)	Chlorobenzene	0.04	ND	0.0092
41)	Ethylbenzene	0.04	ND	0.0087
42)	p,&m-Xylene	0.13	ND	0.0087
43)	o-Xylene	0.01	ND	0.0087
44)	Styrene	0.09	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 21:01 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	136005-5 OHM	**Data Analyzed:**	01/26/19 -1:9:
Misc. Info:	500 ML 18233-019 TEDLAR	**Method:**	MSA0126
Data Name:	A1947.D	**Shift Cali.File:**	CC01261.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.25	ND	0.0137
48)	Benzyl Chloride	0.02	ND	0.0518
49)	4-Ethyl Toluene	0.06	ND	0.0098
50)	1,3,5-Trimethylbenzene	-0.01	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.10	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene	-0.29	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	234665	183952	OK	7.65	7.67	OK
1,4-Difluorobenzene	1304692	998820	OK	9.35	9.37	OK
Chlorobenzene-d5	546048	486900	OK	14.84	14.75	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	53.04	106.1
Toluene-d8	50	51.08	102.2
4-Bromofluorobenzene	50	49.60	99.2

Comments:

Foot Notes:

ug/L conversion only

1st Review: DO 020899 2nd Review

FEB 8'99 21:01 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	136005-6 OHM	**Data Analyzed:**	26 Jan 1999 19:20
Misc. Info:	500 ML 18233-020 TEDLAR	**Method:**	MSA0126
Data Name:	A1946.D	**Shift Call.File:**	CC01261.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

Compound	dRT	Result(ug/L)	RL(ug/L)
2) Dichlorodifluoromethane (12)	-0.01	ND	0.0099
3) Chloromethane	-0.50	ND	0.0082
4) 1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5) Vinyl Chloride		ND	0.0051
6) Bromomethane		ND	0.0078
7) Chloroethane		ND	0.0105
8) Trichlorofluoromethane (11)	0.00	ND	0.0112
9) 1,1-Dichloroethene		ND	0.0079
10) Carbon Disulfide	0.03	ND	0.0311
11) 1,1,2-Cl 1,2,2-F ethane (113)	-0.03	ND	0.0153
12) Acetone	0.03	ND	0.0237
13) Methylene Chloride	-0.00	ND	0.0069
14) t-1,2-Dichloroethene		ND	0.0079
15) 1,1-Dichloroethane		ND	0.0081
16) Vinyl Acetate	-0.02	ND	0.0351
17) c-1,2-Dichloroethene		ND	0.0079
18) 2-Butanone		ND	0.0294
19) Chloroform		ND	0.0097
20) 1,1,1-Trichloroethane	-0.03	ND	0.0109
21) Carbon Tetrachloride	-0.07	ND	0.0126
23) Benzene	0.00	ND	0.0064
25) 1,2-Dichloroethane		ND	0.0081
26) Trichloroethene		ND	0.0107
27) 1,2-Dichloropropane		ND	0.0092
28) Bromodichloromethane		ND	0.0134
29) c-1,3-Dichloropropene	0.29	ND	0.0091
30) 4-Methyl-2-Pentanone	0.44	ND	0.0409
32) Toluene	-0.10	ND	~~0.0075~~ 0.0188
34) t-1,3-Dichloropropene		ND	0.0091
35) 1,1,2-Trichloroethane		ND	0.0109
36) Tetrachloroethene	0.03	ND	0.0135
37) 2-Hexanone	-0.39	ND	0.1226
38) Dibromochloromethane		ND	0.0170
39) 1,2-Dibromoethane		ND	0.0153
40) Chlorobenzene	-0.21	ND	0.0092
41) Ethylbenzene	0.01	ND	0.0087
42) p,&m-Xylene	-0.00	ND	0.0087
43) o-Xylene	0.04	ND	0.0087
44) Styrene	0.09	ND	0.0085
45) Bromoform		ND	0.0206

Sample Name:	136005-6 OHM	**Data Analyzed:**	01/26/19 -1:9:
Misc. Info:	500 ML 18233-020 TEDLAR	**Method:**	MSA0126
Data Name:	A1946.D	**Shift Cali.File:**	CC01261.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.0137
48)	Benzyl Chloride	0.24	ND	0.0518
49)	4-Ethyl Toluene	0.10	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.08	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.10	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		Nd	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	234665	174221	OK	7.65	7.67	OK
1,4-Difluorobenzene	1304692	964708	OK	9.35	9.38	OK
Chlorobenzene-d5	546048	477525	OK	14.84	14.75	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	52.05	104.1
Toluene-d8	50	51.70	103.4
4-Bromofluorobenzene	50	46.93	93.9

Comments:

Foot Notes:

ug/L conversion only

1st Review: 110 020899 2nd Review

Quanterra Air Toxics Lab

Sample Name:	136005-7 OHM	**Data Analyzed:**	27 Jan 1999 11:15
Misc. Info:	500 ML 18233-021 TEDLAR	**Method:**	MSA0127
Data Name:	A1950.D	**Shift Cali.File:**	CC01271.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.03	ND	0.0099
3)	Chloromethane	0.06	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.51	ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.01	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide		ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.04	ND	0.0153
12)	Acetone	0.03	ND	0.0237
13)	Methylene Chloride	-0.03	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.22	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone		ND	0.0294
19)	Chloroform	0.30	ND	0.0097
20)	1,1,1-Trichloroethane		ND	0.0109
21)	Carbon Tetrachloride	0.00	ND	0.0126
23)	Benzene	0.01	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene		ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene		ND	0.0091
30)	4-Methyl-2-Pentanone	0.46	ND	0.0409
32)	Toluene	-0.08	ND	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane		ND	0.0109
36)	Tetrachloroethene		ND	0.0135
37)	2-Hexanone	-0.40	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene	-0.15	ND	0.0092
41)	Ethylbenzene	-0.01	ND	0.0087
42)	p,&m-Xylene	0.05	ND	0.0087
43)	o-Xylene	0.05	ND	0.0087
44)	Styrene		ND	0.0085
45)	Bromoform		ND	0.0206

D:\GCMSA~1\990125\A1950.D

Sample Name:	136005-7 OHM	Data Analyzed:	01/27/19 -1:1:
Misc. Info:	500 ML 18233-021 TEDLAR	Method:	MSA0127
Data Name:	A1950.D	Shift Cali.File:	CC01271.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.0137
48)	Benzyl Chloride	0.34	ND	0.0518
49)	4-Ethyl Toluene	0.06	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.07	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.11	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene		ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0428
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	200857	186749	OK	7.64	7.69	OK
1,4-Difluorobenzene	1012434	989565	OK	9.36	9.36	OK
Chlorobenzene-d5	495531	449078	OK	14.84	14.75	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	45.43	90.9
Toluene-d8	50	46.46	92.9
4-Bromofluorobenzene	50	48.42	96.8

Comments:

Foot Notes:

ug/L conversion only

1st Review: PO 020899 2nd Review

[redacted]

✓ (ug/L)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219475
FORM 0019 REV 2/97

OHM CLIENT COORDINATOR	OHM COORDINATOR'S PHONE	OHM COORDINATOR'S FAX	LABORATORY SERVICE ID: Q136034	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS		ADDRESS
PROJECT ADDRESS	CITY, STATE AND ZIP CODE	CLIENT	CITY, STATE AND ZIP CODE		CITY, STATE, AND ZIP CODE
PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses	Comments
1	18233-023	[illegible]	[illegible]	[illegible]	Ambient	2	III	24/hr	X	
2	18233-024	[illegible]	[illegible]	1115	Ambient	2	III	24/hr	X	
3	18233-025	[illegible]	[illegible]	[illegible]	Ambient	2	III	24/hr	X	
4	18233-026	[illegible]	[illegible]	[illegible]	Ambient	2	III	24/hr	X	
5	18233-027	[illegible]	[illegible]	[illegible]	Ambient	2	III	24/hr	X	
6	18233-028	[illegible]	[illegible]	[illegible]	Ambient	2	III	24/hr	X	
7										
8										
9										
10										

Analyze 1" Bag first

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	[illegible]	1/28/99	0640	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) SG83 - Amb	X		X	X
(2) SG83 @ 75'	X		X	X
(3) SG83 @ 96'	X		X	
(4) SG82 - Ambient	X		X	X
(5) SG82 @ 75'	X		X	
(6) SG82 @ 94.5'	X		X	

Comments
(1)-(3) 24SG83
(4)-(6) 24SG82

Sample Type: G - Grab, C - Composite, F - Field Sample
QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	136034-1 OHM	**Data Analyzed:**	28 Jan 1999 14:39
Misc. Info:	500 ML 18233-023 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1973.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA-1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.00	ND	0.0099
3)	Chloromethane	-0.01	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	0.03	0.0353	0.0237
13)	Methylene Chloride	0.02	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.01	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	-0.03	ND	0.0294
19)	Chloroform	0.32	ND	0.0097
20)	1,1,1-Trichloroethane	-0.01	ND	0.0109
21)	Carbon Tetrachloride	-0.00	ND	0.0126
23)	Benzene	0.03	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	0.01	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.45	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.07	ND	0.0409
32)	Toluene	-0.07	0.0486	~~0.0075~~ 0.18 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.20	ND	0.0109
36)	Tetrachloroethene	-0.00	0.0160	0.0135
37)	2-Hexanone	-0.21	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	ND	0.0087
42)	p,&m-Xylene	0.01	0.0258	0.0087
43)	o-Xylene	0.04	0.0096	0.0087
44)	Styrene	0.03	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 5 99 11:55 FR 714 258 0921 TO OHM-IRVINE P.03

Sample Name:	136034-1 OHM	**Data Analyzed:**	01/28/19 -1:4:
Misc. Info:	500 ML 18233-023 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1973.D	**Shift Cali.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.17	ND	0.0137
48)	Benzyl Chloride	0.11	ND	0.0518
49)	4-Ethyl Toluene	0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.03	0.0111	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene	-0.32	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	186994	OK	7.64	7.66	OK
1,4-Difluorobenzene	965587	926990	OK	9.35	9.36	OK
Chlorobenzene-d5	472512	454886	OK	14.84	14.81	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.25	94.5
Toluene-d8	50	48.65	97.3
4-Bromofluorobenzene	50	47.08	94.2

Comments:

Foot Notes:

ug/L conversion only

1st Review: DD 020899 2nd Review

P.04

Quanterra Air Toxics Lab

Sample Name:	136034-2 OHM	**Data Analyzed:**	28 Jan 1999 15:07
Misc. Info:	50 ML 18233-024 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1974.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	10

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.04	ND	0.0987
3)	Chloromethane	0.22	ND	0.0824
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.1395
5)	Vinyl Chloride		ND	0.0510
6)	Bromomethane		ND	0.0775
7)	Chloroethane		ND	0.1053
8)	Trichlorofluoromethane (11)		ND	0.1121
9)	1,1-Dichloroethene	-0.02	1.1702	0.0791
10)	Carbon Disulfide		ND	0.3108
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	13.1840	0.1530
12)	Acetone	-0.11	~~0.3087~~ ND	0.2371
13)	Methylene Chloride		ND	0.0693
14)	t-1,2-Dichloroethene	-0.24	ND	0.0791
15)	1,1-Dichloroethane	0.02	ND	0.0808
16)	Vinyl Acetate	-0.17	ND	0.3514
17)	c-1,2-Dichloroethene		ND	0.0791
18)	2-Butanone	-0.05	ND	0.2943
19)	Chloroform	0.01	ND	0.0975
20)	1,1,1-Trichloroethane		ND	0.1089
21)	Carbon Tetrachloride	0.00	0.3218	0.1256
23)	Benzene	0.00	ND	0.0638
25)	1,2-Dichloroethane		ND	0.0808
26)	Trichloroethene	0.01	3.6967	0.1073
27)	1,2-Dichloropropane		ND	0.0922
28)	Bromodichloromethane		ND	0.1337
29)	c-1,3-Dichloropropene		ND	0.0906
30)	4-Methyl-2-Pentanone	-0.08	ND	0.4088
32)	Toluene	-0.02	ND	~~0.0752~~ 0.188
34)	t-1,3-Dichloropropene		ND	0.0906
35)	1,1,2-Trichloroethane	0.41	ND	0.1089
36)	Tetrachloroethene	0.02	ND	0.1354
37)	2-Hexanone		ND	1.2264
38)	Dibromochloromethane		ND	0.1700
39)	1,2-Dibromoethane		ND	0.1534
40)	Chlorobenzene		ND	0.0919
41)	Ethylbenzene	0.02	ND	0.0867
42)	p,&m-Xylene	-0.00	ND	0.0867
43)	o-Xylene	0.02	ND	0.0867
44)	Styrene		ND	0.0850
45)	Bromoform		ND	0.2063

FEB 8 99 21:40 FR 714 258 0921 TO OHM-IRVINE P.05

Sample Name:	136034-2 OHM	Data Analyzed:	01/28/19 -1:5:
Misc. Info:	50 ML 18233-024 TEDLAR BAG	Method:	MSA0128
Data Name:	A1974.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	10

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.1370
48)	Benzyl Chloride	-0.16	ND	0.5176
49)	4-Ethyl Toluene	-0.02	ND	0.0981
50)	1,3,5-Trimethylbenzene	-0.01	ND	0.0981
51)	1,2,4-Trimethylbenzene	-0.03	ND	0.0981
52)	1,3-Dichlorobenzene		ND	0.1200
53)	1,4-Dichlorobenzene		ND	0.1200
54)	1,2-Dichlorobenzene		ND	0.1200
55)	1,2,4-Trichlorobenzene		ND	1.4812
56)	Hexachlorobutadiene		ND	0.4257
	MTBE		ND	0.360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	172152	OK	7.64	7.69	OK
1,4-Difluorobenzene	965587	895109	OK	9.35	9.40	OK
Chlorobenzene-d5	472512	432735	OK	14.84	14.86	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.13	96.3
Toluene-d8	50	49.24	98.5
4-Bromofluorobenzene	50	42.69	85.4

Comments:

Foot Notes:

1st Review: 110 020099 ug/L conversion only 2nd Review

FEB 8 99 21:40 FR 714 258 0921 TO OHM-IRVINE P.06

Quanterra Air Toxics Lab

Sample Name:	136034-3 OHM	**Data Analyzed:**	28 Jan 1999 15:34
Misc. Info:	40 ML 18233-025 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1975.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	12.5

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.00	ND	0.1234
3)	Chloromethane		ND	0.1031
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.1744
5)	Vinyl Chloride		ND	0.0638
6)	Bromomethane		ND	0.0969
7)	Chloroethane		ND	0.1317
8)	Trichlorofluoromethane (11)		ND	0.1402
9)	1,1-Dichloroethene	0.00	2.5153	0.0989
10)	Carbon Disulfide		ND	0.3885
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.00	14.8261	0.1912
12)	Acetone	-0.07	~~0.3714~~ ND	0.2964
13)	Methylene Chloride		ND	0.0867
14)	t-1,2-Dichloroethene		ND	0.0989
15)	1,1-Dichloroethane		ND	0.1010
16)	Vinyl Acetate	-0.35	ND	0.4393
17)	c-1,2-Dichloroethene	-0.50	ND	0.0989
18)	2-Butanone	0.35	ND	0.3679
19)	Chloroform	0.03	ND	0.1218
20)	1,1,1-Trichloroethane		ND	0.1361
21)	Carbon Tetrachloride	0.02	0.3419	0.1570
23)	Benzene	-0.03	ND	0.0797
25)	1,2-Dichloroethane	-0.12	ND	0.1010
26)	Trichloroethene	0.02	3.2101	0.1341
27)	1,2-Dichloropropane		ND	0.1153
28)	Bromodichloromethane		ND	0.1672
29)	c-1,3-Dichloropropene		ND	0.1132
30)	4-Methyl-2-Pentanone	-0.07	ND	0.5110
32)	Toluene	-0.03	ND	~~0.0948~~ 0.235
34)	t-1,3-Dichloropropene		ND	0.1132
35)	1,1,2-Trichloroethane		ND	0.1361
36)	Tetrachloroethene		ND	0.1692
37)	2-Hexanone		ND	1.5330
38)	Dibromochloromethane		ND	0.2126
39)	1,2-Dibromoethane		ND	0.1917
40)	Chlorobenzene		ND	0.1149
41)	Ethylbenzene	0.30	ND	0.1083
42)	p,&m-Xylene	0.01	ND	0.1083
43)	o-Xylene	-0.01	ND	0.1083
44)	Styrene		ND	0.1063
45)	Bromoform		ND	0.2579

FEB 5 99 01:40 PM 714 258 0921 TO OHM-IRVINE P.07

Sample Name:	136034-3 OHM	**Data Analyzed:**	01/28/19 -1:5:
Misc. Info:	40 ML 18233-025 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1975.D	**Shift Cali.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	12.5

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane		ND	0.1713
48)	Benzyl Chloride		ND	0.6470
49)	4-Ethyl Toluene	0.00	ND	0.1227
50)	1,3,5-Trimethylbenzene	-0.13	ND	0.1227
51)	1,2,4-Trimethylbenzene	-0.02	ND	0.1227
52)	1,3-Dichlorobenzene		ND	0.1500
53)	1,4-Dichlorobenzene		ND	0.1500
54)	1,2-Dichlorobenzene		ND	0.1500
55)	1,2,4-Trichlorobenzene		ND	1.8515
56)	Hexachlorobutadiene		ND	0.5322
	MTBE		ND	0.4497

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	180716	OK	7.64	7.67	OK
1,4-Difluorobenzene	965587	893591	OK	9.35	9.40	OK
Chlorobenzene-d5	472512	431019	OK	14.84	14.86	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.94	97.9
Toluene-d8	50	49.37	98.7
4-Bromofluorobenzene	50	44.09	88.2

Comments:

Foot Notes:

ug/L conversion only

1st Review: 80 020899 2nd Review

Quanterra Air Toxics Lab

Sample Name:	136034-4 OHM	**Data Analyzed:**	28 Jan 1999 16:29
Misc. Info:	500 ML 18233-026 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1977.D	**Shift Cali.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	0.00	ND	0.0099
3)	Chloromethane		ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.00	ND	0.0112
9)	1,1-Dichloroethene		ND	0.0079
10)	Carbon Disulfide	0.04	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.02	ND	0.0153
12)	Acetone	0.04	0.0620	0.0237
13)	Methylene Chloride	0.01	0.0075	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	0.12	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	0.00	ND	0.0294
19)	Chloroform	-0.04	ND	0.0097
20)	1,1,1-Trichloroethane	-0.00	ND	0.0109
21)	Carbon Tetrachloride	-0.05	ND	0.0126
23)	Benzene	0.06	ND	0.0064
25)	1,2-Dichloroethane	-0.18	ND	0.0081
26)	Trichloroethene	0.03	0.0129	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.26	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.48	ND	0.0409
32)	Toluene	-0.03	0.0975	~~0.0975~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	0.10	ND	0.0109
36)	Tetrachloroethene	-0.02	0.0262	0.0135
37)	2-Hexanone	0.03	ND	0.1226
38)	Dibromochloromethane	-0.26	ND	0.0170
39)	1,2-Dibromoethane	-0.25	ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	0.0096	0.0087
42)	p,&m-Xylene	0.00	0.0361	0.0087
43)	o-Xylene	0.02	0.0135	0.0087
44)	Styrene	0.03	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 5'99 21:41 FR 714 258 0921 TO OHM-IRVINE P.09

Sample Name:	136034-4 OHM	**Data Analyzed:**	01/28/19 -1:6:
Misc. Info:	500 ML 18233-026 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1977.D	**Shift Cali.File:**	CC01281.D
Data Path:	D:\GCMSA~1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.34	ND	0.0137
48)	Benzyl Chloride	0.10	ND	0.0518
49)	4-Ethyl Toluene	-0.02	0.0128	0.0098
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.02	0.0160	0.0098
52)	1,3-Dichlorobenzene	0.03	ND	0.0120
53)	1,4-Dichlorobenzene	-0.02	ND	0.0120
54)	1,2-Dichlorobenzene	-0.37	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426

MTBE ND 0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197878	183507	OK	7.64	7.66	OK
1,4-Difluorobenzene	965587	922062	OK	9.35	9.36	OK
Chlorobenzene-d5	472512	462096	OK	14.84	14.83	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.21	100.4
Toluene-d8	50	49.95	99.9
4-Bromofluorobenzene	50	47.64	95.3

Comments:

Foot Notes:

ug/L conversion only
DO 020899

1st Review: 2nd Review

P.10 714 258 0921 TO OHM-IRVINE

Quanterra Air Toxics Lab

Sample Name:	136034-5 OHM	**Data Analyzed:**	28 Jan 1999 17:23
Misc. Info:	500 ML 18233-027 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1979.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA-1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.01	ND	0.0099
3)	Chloromethane	-0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)		ND	0.0140
5)	Vinyl Chloride		ND	0.0051
6)	Bromomethane		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	0.02	ND	0.0112
9)	1,1-Dichloroethene	-0.28	ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	0.0153
12)	Acetone	0.02	0.0363	0.0237
13)	Methylene Chloride	-0.01	ND	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane		ND	0.0081
16)	Vinyl Acetate	-0.06	ND	0.0351
17)	c-1,2-Dichloroethene		ND	0.0079
18)	2-Butanone	-0.05	ND	0.0294
19)	Chloroform	-0.06	ND	0.0097
20)	1,1,1-Trichloroethane	-0.03	ND	0.0109
21)	Carbon Tetrachloride	-0.05	ND	0.0126
23)	Benzene	0.04	ND	0.0064
25)	1,2-Dichloroethane		ND	0.0081
26)	Trichloroethene	0.01	ND	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.38	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.09	ND	0.0409
32)	Toluene	-0.03	0.0254	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene		ND	0.0091
35)	1,1,2-Trichloroethane	-0.26	ND	0.0109
36)	Tetrachloroethene	0.01	ND	0.0135
37)	2-Hexanone		ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane		ND	0.0153
40)	Chlorobenzene		ND	0.0092
41)	Ethylbenzene	0.02	ND	0.0087
42)	p,&m-Xylene	0.01	ND	0.0087
43)	o-Xylene	0.02	ND	0.0087
44)	Styrene	0.01	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8 99 21:41 FR 714 258 0921 TO OHM-IRVINE P.11

Sample Name:	136034-5 OHM	**Data Analyzed:**	01/28/19 -1:7:
Misc. Info:	500 ML 18233-027 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1979.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA–1\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.20	ND	0.0137
48)	Benzyl Chloride	0.02	ND	0.0518
49)	4-Ethyl Toluene	-0.03	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.01	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.03	ND	0.0098
52)	1,3-Dichlorobenzene		ND	0.0120
53)	1,4-Dichlorobenzene		ND	0.0120
54)	1,2-Dichlorobenzene	-0.34	ND	0.0120
55)	1,2,4-Trichlorobenzene		ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	190805	OK	7.64	7.68	OK
1,4-Difluorobenzene	965587	975348	OK	9.35	9.37	OK
Chlorobenzene-d5	472512	479760	OK	14.84	14.83	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.53	97.1
Toluene-d8	50	49.18	98.4
4-Bromofluorobenzene	50	49.78	99.6

Comments:

Foot Notes:

ug/L conversion only
DO 020899

1st Review: 2nd Review

FEB 8 99 21:41 FR 714 258 0921 TO OHM-IRVINE P.12

Quanterra Air Toxics Lab

Sample Name:	136034-6 OHM	**Data Analyzed:**	28 Jan 1999 17:51
Misc. Info:	50 ML 18233-028 TEDLAR BAG	**Method:**	MSA0128
Data Name:	A1980.D	**Shift Call.File:**	CC01281.D
Data Path:	D:\GCMSA-1\990125\	**Dilution Factor:**	10

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (12)	-0.01	ND	0.0987
3)	Chloromethane	0.22	ND	0.0824
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.48	ND	0.1395
5)	Vinyl Chloride		ND	0.0510
6)	Bromomethane		ND	0.0775
7)	Chloroethane		ND	0.1053
8)	Trichlorofluoromethane (11)		ND	0.1121
9)	1,1-Dichloroethene	-0.01	1.1246	0.0791
10)	Carbon Disulfide	0.02	ND	0.3108
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	10.8831	0.1530
12)	Acetone	-0.10	~~0.2999~~ ND	0.2371
13)	Methylene Chloride		ND	0.0693
14)	t-1,2-Dichloroethene	-0.45	ND	0.0791
15)	1,1-Dichloroethane	-0.08	ND	0.0808
16)	Vinyl Acetate	-0.26	ND	0.3514
17)	c-1,2-Dichloroethene		ND	0.0791
18)	2-Butanone	-0.03	ND	0.2943
19)	Chloroform	-0.01	ND	0.0975
20)	1,1,1-Trichloroethane	0.02	ND	0.1089
21)	Carbon Tetrachloride	-0.01	ND	0.1256
23)	Benzene	0.00	ND	0.0638
25)	1,2-Dichloroethane		ND	0.0808
26)	Trichloroethene	0.02	3.3808	0.1073
27)	1,2-Dichloropropane		ND	0.0922
28)	Bromodichloromethane		ND	0.1337
29)	c-1,3-Dichloropropene		ND	0.0906
30)	4-Methyl-2-Pentanone	-0.06	ND	0.4088
32)	Toluene	-0.02	ND	~~0.0782~~ 0.188
34)	t-1,3-Dichloropropene		ND	0.0906
35)	1,1,2-Trichloroethane		ND	0.1089
36)	Tetrachloroethene	0.04	ND	0.1354
37)	2-Hexanone		ND	1.2264
38)	Dibromochloromethane		ND	0.1700
39)	1,2-Dibromoethane		ND	0.1534
40)	Chlorobenzene		ND	0.0919
41)	Ethylbenzene	0.02	ND	0.0867
42)	p,&m-Xylene	-0.01	ND	0.0867
43)	o-Xylene	-0.00	ND	0.0867
44)	Styrene		ND	0.0850
45)	Bromoform		ND	0.2063

FEB 8'99 21:42 FR 714 258 0921 TO OHM-IRVINE P.13

D:\GCMSA ~ 1\990125\A1980.D

Sample Name:	136034-6 OHM	Data Analyzed:	01/28/19 -1:7:
Misc. Info:	50 ML 18233-028 TEDLAR BAG	Method:	MSA0128
Data Name:	A1980.D	Shift Cali.File:	CC01281.D
Data Path:	D:\GCMSA~1\990125\	Dilution Factor:	10

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.28	ND	0.1370
48)	Benzyl Chloride	-0.08	ND	0.5176
49)	4-Ethyl Toluene	-0.03	ND	0.0981
50)	1,3,5-Trimethylbenzene	-0.02	ND	0.0981
51)	1,2,4-Trimethylbenzene	0.01	ND	0.0981
52)	1,3-Dichlorobenzene		ND	0.1200
53)	1,4-Dichlorobenzene		ND	0.1200
54)	1,2-Dichlorobenzene		ND	0.1200
55)	1,2,4-Trichlorobenzene		ND	1.4812
56)	Hexachlorobutadiene		ND	0.4257
	MTBE		ND	0.360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	197678	174452	OK	7.64	7.68	OK
1,4-Difluorobenzene	965587	906020	OK	9.35	9.40	OK
Chlorobenzene-d5	472512	432360	OK	14.84	14.84	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	48.97	97.9
Toluene-d8	50	49.20	98.4
4-Bromofluorobenzene	50	47.40	94.8

Comments:

Foot Notes:

ug/L conversion only
DO 020899

1st Review: 2nd Review

(US/L)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219481
FORM 0019 REV. 2/97

OHM'S LAB COORDINATOR: Theora Tinkit Williams	LAB COORDINATOR'S PHONE: (949) 660.5300	LAB COORDINATOR'S FAX: (949) 475.5433	LABORATORY SERVICES ID: Q136065	LABORATORY CONTACT: MARIA JONES	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas Sampling	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18233	LABORATORY PHONE: (626) 765.1806	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Theora Tinkit Williams	PROJECT PHONE NUMBER: (949) 660.5300	PROJECT FAX: (949) 475.5433	LABORATORY ADDRESS: Duarte, CA		ADDRESS: 3347 Michelson Dr. #100
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIP CODE: SANTA ANA, CA	CLIENT: Lynn Hornecker, SWDIV	CITY, STATE AND ZIP CODE: City of Industry, CA		CITY, STATE, AND ZIP CODE: Irvine, CA
PROJECT MANAGER: BILL CEDAR	PROJECT MANAGER'S PHONE: (949) 660.5300	PROJECT MANAGER'S FAX: (949) 475.5433			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	[illegible]-037	Vapor	1/28/99	1650	Ambient	3	III	24 hr	X	Analyze 'A' long list
2										
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: [illegible]
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	Robert Siddiqui	1/29/99	1710	
Robert Siddiqui		1/29/99		

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. 245968 @ 92'	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

D:\GCMSB\990125\B0961.D

Quanterra Air Toxics Lab

Sample Name:	136065-1 OHM	**Data Analyzed:**	30 Jan 1999 12:54
Misc. Info:	50 ml 18233-037 TEDLAR	**Method:**	MSB0130
Data Name:	B0961.D	**Shift Cali.File:**	CC01301.D
Data Path:	d:\gcmsb\990125\	**Dilution Factor:**	10

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.03	ND	0.0987
3)	Chloromethan	0.02	ND	0.0824
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.17	ND	0.1395
5)	Vinyl Chloride	-0.12	ND	0.0510
6)	Bromomethan		ND	0.0775
7)	Chloroethane	0.02	ND	0.1053
8)	Trichlorofluoromethane (11)	-0.02	ND	0.1121
9)	1,1-Dichloroethene	0.00	ND	0.0791
10)	Carbon Disulfide	-0.01	ND	0.3108
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	0.2016	0.1530
12)	Acetone	0.02	ND	0.2371
13)	Methylene Chloride	0.00	ND	0.0693
14)	t-1,2-Dichloroethene		ND	0.0791
15)	1,1-Dichloroethane	-0.00	ND	0.0808
16)	Vinyl Acetate	-0.09	ND	0.3514
17)	c-1,2-Dichloroethene	-0.42	ND	0.0791
18)	2-Butanone	0.03	ND	0.2943
19)	Chloroform	0.03	ND	0.0975
20)	1,1,1-Trichloroethane	0.14	ND	0.1089
21)	Carbon Tetrachloride	0.04	ND	0.1256
23)	Benzene	0.00	ND	0.0638
25)	1,2-Dichloroethane		ND	0.0808
26)	Trichloroethene	0.02	0.6366	0.1073
27)	1,2-Dichloropropane		ND	0.0922
28)	Bromodichloromethane		ND	0.1337
29)	c-1,3-Dichloropropene	0.43	ND	0.0906
30)	4-Methyl-2-Pentanone	-0.51	ND	0.4088
32)	Toluene	0.01	0.3359	~~0.0752~~ 0.188
34)	t-1,3-Dichloropropene		ND	0.0906
35)	1,1,2-Trichloroethane	0.15	~~0.2094~~ ND	0.1089
36)	Tetrachloroethene	0.00	16.4320	0.1354
37)	2-Hexanone	0.03	ND	1.2264
38)	Dibromochloromethane		ND	0.1700
39)	1,2-Dibromoethane		ND	0.1534
40)	Chlorobenzene	-0.03	ND	0.0919
41)	Ethylbenzene	-0.03	ND	0.0867
42)	p,&m-Xylene	-0.02	ND	0.0867
43)	o-Xylene	-0.04	ND	0.0867
44)	Styrene	-0.01	ND	0.0850
45)	Bromoform		ND	0.2063

FEB 8'99 22:09 FR 714 258 0921 TO OHM-IRVINE P.03

(ug/L)

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
213483
FORM 0019 REV 2/97

OHM'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
[illegible]	[illegible]	[illegible]	Q136065	[illegible]	[illegible]
PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS		ADDRESS
[illegible]	[illegible]	[illegible]	[illegible]		2347 Hutchison Dr. Ste. 200
PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE		CITY, STATE, AND ZIPCODE
[illegible]	[illegible]	[illegible]	[illegible]		Irvine CA
PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX			
[illegible]	[illegible]	[illegible]			

Analyze A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	III	24 hr	X	
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	III	24 hr	X	
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	III	24 hr	X	
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	III	24 hr	X	
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	III	24 hr	X	
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
[illegible]		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]				

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) SG37 - Ambient	X		X	X
(2) SG37 @ 49'	X		X	
(3) SG37 @ 68'	X		X	
(4) SG37 - Amb (New Tubing)	X		X	X
(5) SG37 @ 92'	X		X	

Comments

24SG37

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Air Toxics Lab

Sample Name:	136065-2 OHM	**Data Analyzed:**	30 Jan 1999 14:15
Misc. Info:	500 ml 18233-038 TEDLAR	**Method:**	MSB0130
Data Name:	B0964.D	**Shift Cali.File:**	CC01301.D
Data Path:	d:\gcmsb\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.08	ND	0.0099
3)	Chloromethan	0.02	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.13	ND	0.0140
5)	Vinyl Chloride	-0.04	ND	0.0051
6)	Bromomethan	-0.02	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.01	ND	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.02	ND	0.0153
12)	Acetone	-0.01	0.0335	0.0237
13)	Methylene Chloride	-0.01	0.0071	0.0069
14)	t-1,2-Dichloroethene	0.48	ND	0.0079
15)	1,1-Dichloroethane	0.01	ND	0.0081
16)	Vinyl Acetate	0.24	ND	0.0351
17)	c-1,2-Dichloroethene	-0.04	ND	0.0079
18)	2-Butanone	-0.02	ND	0.0294
19)	Chloroform	-0.02	ND	0.0097
20)	1,1,1-Trichloroethane	-0.02	ND	0.0109
21)	Carbon Tetrachloride	-0.28	ND	0.0126
23)	Benzene	0.01	0.0071 F	0.0064
25)	1,2-Dichloroethane	0.16	ND	0.0081
26)	Trichloroethene	-0.01	~~ND~~ 0.0106	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	0.50	ND	0.0091
30)	4-Methyl-2-Pentanone	-0.31	ND	0.0409
32)	Toluene	-0.06	0.0303	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.47	ND	0.0091
35)	1,1,2-Trichloroethane	0.02	ND	0.0109
36)	Tetrachloroethene	-0.03	ND	0.0135
37)	2-Hexanone	-0.10	ND	0.1226
38)	Dibromochloromethane	-0.12	ND	0.0170
39)	1,2-Dibromoethane	-0.16	ND	0.0153
40)	Chlorobenzene	-0.11	ND	0.0092
41)	Ethylbenzene	-0.02	ND	0.0087
42)	p,&m-Xylene	0.00	0.0196	0.0087
43)	o-Xylene	0.02	ND	0.0087
44)	Styrene	0.01	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 22:09 FR 714 258 0921 TO OHM-IRVINE P.04

Sample Name:	136065-2 OHM	Data Analyzed:	01/30/19 -1:4:
Misc. Info:	500 ml 18233-038 TEDLAR	Method:	MSB0130
Data Name:	B0964.D	Shift Cali.File:	CC01301.D
Data Path:	d:\gcmsb\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.14	ND	0.0137
48)	Benzyl Chloride	0.02	ND	0.0518
49)	4-Ethyl Toluene	-0.02	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.04	ND	0.0098
52)	1,3-Dichlorobenzene	0.08	ND	0.0120
53)	1,4-Dichlorobenzene	-0.14	ND	0.0120
54)	1,2-Dichlorobenzene	-0.39	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.11	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	337814	370337	OK	7.09	7.07	OK
1,4-Difluorobenzene	1954545	1893165	OK	8.71	8.70	OK
Chlorobenzene-d5	1073558	972946	OK	14.00	13.94	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.59	103.2
Toluene-d8	50	41.90	83.8
4-Bromofluorobenzene	50	49.57	99.1

Comments:

Foot Notes: F

ug/L conversion only

1st Review: JO 020899 2nd Review

FEB 8'99 22:10 FR 714 258 0921 TO OHM-IRVINE P.05

Quanterra Air Toxics Lab

Sample Name:	136065-3 OHM	**Data Analyzed:**	30 Jan 1999 14:42
Misc. Info:	500 ml 18233-039 TEDLAR	**Method:**	MSB0130
Data Name:	B0965.D	**Shift Cali.File:**	CC01301.D
Data Path:	D:\GCMSB\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.09	ND	0.0099
3)	Chloromethan	-0.07	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.07	ND	0.0140
5)	Vinyl Chloride	-0.04	ND	0.0051
6)	Bromomethan		ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.02	ND	0.0112
9)	1,1-Dichloroethene	-0.01	ND	0.0079
10)	Carbon Disulfide	-0.02	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	0.01	ND	0.0153
12)	Acetone	-0.01	0.0604	0.0237
13)	Methylene Chloride	0.00	0.0109	0.0069
14)	t-1,2-Dichloroethene	-0.28	ND	0.0079
15)	1,1-Dichloroethane	-0.10	ND	0.0081
16)	Vinyl Acetate	0.23	~~0.0740~~ ND	0.0351
17)	c-1,2-Dichloroethene	-0.03	ND	0.0079
18)	2-Butanone	0.02	ND	0.0294
19)	Chloroform	-0.03	ND	0.0097
20)	1,1,1-Trichloroethane	-0.03	ND	0.0109
21)	Carbon Tetrachloride	0.00	ND	0.0126
23)	Benzene	-0.03	0.0133 F	0.0064
25)	1,2-Dichloroethane	0.12	ND	0.0081
26)	Trichloroethene	0.00	ND	0.0107
27)	1,2-Dichloropropane	-0.09	~~0.0244~~ ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene	-0.29	ND	0.0091
30)	4-Methyl-2-Pentanone	0.32	ND	0.0409
32)	Toluene	-0.05	0.1369	~~0.0075~~ 0.0168
34)	t-1,3-Dichloropropene	-0.17	ND	0.0091
35)	1,1,2-Trichloroethane	0.06	ND	0.0109
36)	Tetrachloroethene	-0.05	0.0206	0.0135
37)	2-Hexanone	-0.04	ND	0.1226
38)	Dibromochloromethane		ND	0.0170
39)	1,2-Dibromoethane	-0.11	ND	0.0153
40)	Chlorobenzene	-0.04	ND	0.0092
41)	Ethylbenzene	-0.03	0.0106	0.0087
42)	p,&m-Xylene	0.01	0.0323	0.0087
43)	o-Xylene	-0.01	0.0117	0.0087
44)	Styrene	-0.01	ND	0.0085
45)	Bromoform	0.01	ND	0.0206

FEB 8'99 22:10 FR 714 258 0921 TO OHM-IRVINE P.06

Sample Name:	136065-3 OHM	Data Analyzed:	01/30/19 -1:4:
Misc. Info:	500 ml 18233-039 TEDLAR	Method:	MSB0130
Data Name:	B0965.D	Shift Call.File:	CC01301.D
Data Path:	D:\GCMSB\990125\	Dilution Factor:	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	0.28	ND	0.0137
48)	Benzyl Chloride	-0.06	ND	0.0518
49)	4-Ethyl Toluene	-0.02	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.03	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.02	0.0109	0.0098
52)	1,3-Dichlorobenzene	-0.03	ND	0.0120
53)	1,4-Dichlorobenzene	0.04	ND	0.0120
54)	1,2-Dichlorobenzene	-0.48	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.16	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426

MTBE 0.045 0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	337814	296959	OK	7.09	7.07	OK
1,4-Difluorobenzene	1954545	1476039	OK	8.71	8.70	OK
Chlorobenzene-d5	1073558	815845	OK	14.00	13.95	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	55.65	111.3
Toluene-d8	50	43.46	86.9
4-Bromofluorobenzene	50	50.80	101.6

Comments:

Foot Notes: F

ug/L conversion only
DO 020899

1st Review: 2nd Review

FEB 8 99 22:16 FR 714 258 0921 TO OHM-IRVINE P.07

Quanterra Air Toxics Lab

Sample Name:	136085-4 OHM	**Data Analyzed:**	30 Jan 1999 15:09
Misc. Info:	175 ml 18233-040 TEDLAR	**Method:**	MSB0130
Data Name:	B0966.D	**Shift Cali.File:**	CC01301.D
Data Path:	d:\gcmsb\990125\	**Dilution Factor:**	2.857

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.06	ND	0.0282
3)	Chloromethan	-0.07	ND	0.0236
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.23	ND	0.0399
5)	Vinyl Chloride		ND	0.0146
6)	Bromomethan	0.21	ND	0.0221
7)	Chloroethane		ND	0.0301
8)	Trichlorofluoromethane (11)		ND	0.0320
9)	1,1-Dichloroethene	-0.01	1.2249	0.0226
10)	Carbon Disulfide	-0.02	ND	0.0888
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.00	0.1983	0.0437
12)	Acetone	-0.00	0.0769	0.0677
13)	Methylene Chloride	-0.01	0.0532	0.0198
14)	t-1,2-Dichloroethene	0.51	~~0.0353~~ ND	0.0226
15)	1,1-Dichloroethane	-0.01	0.2816	0.0231
16)	Vinyl Acetate	0.23	ND	0.1004
17)	c-1,2-Dichloroethene	-0.01	0.0538	0.0226
18)	2-Butanone	0.02	ND	0.0841
19)	Chloroform	0.00	0.1579	0.0278
20)	1,1,1-Trichloroethane	-0.01	ND	0.0311
21)	Carbon Tetrachloride	0.02	ND	0.0359
23)	Benzene	-0.01	0.0268 F	0.0182
25)	1,2-Dichloroethane	-0.01	0.1094 F	0.0231
26)	Trichloroethene	0.02	1.2064	0.0306
27)	1,2-Dichloropropane	-0.06	~~0.0513~~ ND	0.0264
28)	Bromodichloromethane		ND	0.0382
29)	c-1,3-Dichloropropene	0.05	ND	0.0259
30)	4-Methyl-2-Pentanone	-0.45	ND	0.1168
32)	Toluene	0.02	0.1741	~~0.0216~~ 0.0537
34)	t-1,3-Dichloropropene	0.02	ND	0.0259
35)	1,1,2-Trichloroethane	-0.02	ND	0.0311
36)	Tetrachloroethene	-0.02	ND	0.0387
37)	2-Hexanone	0.05	ND	0.3504
38)	Dibromochloromethane	-0.12	ND	0.0486
39)	1,2-Dibromoethane	-0.21	ND	0.0438
40)	Chlorobenzene	0.04	ND	0.0263
41)	Ethylbenzene	-0.01	ND	0.0248
42)	p,&m-Xylene	0.00	0.0278	0.0248
43)	o-Xylene	-0.02	ND	0.0248
44)	Styrene	-0.02	ND	0.0243
45)	Bromoform		ND	0.0589

Sample Name:	136065-4 OHM	**Data Analyzed:**	01/30/19 -1:5:
Misc. Info:	175 ml 18233-040 TEDLAR	**Method:**	MSB0130
Data Name:	B0966.D	**Shift Call.File:**	CC01301.D
Data Path:	d:\gcmsb\990125\	**Dilution Factor:**	2.857

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.01	ND	0.0391
48)	Benzyl Chloride	0.06	ND	0.1479
49)	4-Ethyl Toluene	-0.04	ND	0.0280
50)	1,3,5-Trimethylbenzene	-0.00	ND	0.0280
51)	1,2,4-Trimethylbenzene	-0.02	ND	0.0280
52)	1,3-Dichlorobenzene	0.08	ND	0.0343
53)	1,4-Dichlorobenzene	-0.13	ND	0.0343
54)	1,2-Dichlorobenzene	-0.43	ND	0.0343
55)	1,2,4-Trichlorobenzene	0.05	ND	0.4232
56)	Hexachlorobutadiene		ND	0.1216
	MTBE		ND	0.103

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	337814	371377	OK	7.09	7.05	OK
1,4-Difluorobenzene	1954545	1897375	OK	8.71	8.69	OK
Chlorobenzene-d5	1073558	938561	OK	14.00	13.98	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	51.68	103.4
Toluene-d8	50	47.32	94.6
4-Bromofluorobenzene	50	47.59	95.2

Comments:

Foot Notes: F

ug/L conversion only

1st Review: DO 020899 2nd Review

P.09 714 258 0921 TO OHM-IRVINE

Quanterra Air Toxics Lab

Sample Name:	136065-5 OHM	**Data Analyzed:**	30 Jan 1999 13:21
Misc. Info:	500 ml 18233-041 TEDLAR	**Method:**	MSB0130
Data Name:	B0962.D	**Shift Call.File:**	CC01301.D
Data Path:	d:\gcmsb\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.07	ND	0.0099
3)	Chloromethan	-0.06	ND	0.0082
4)	1,2-Cl-1,1,2,2-F ethane (114)	0.31	ND	0.0140
5)	Vinyl Chloride	-0.04	ND	0.0051
6)	Bromomethan	0.04	ND	0.0078
7)	Chloroethane		ND	0.0105
8)	Trichlorofluoromethane (11)	-0.01	ND	0.0112
9)	1,1-Dichloroethene	-0.02	0.0202	0.0079
10)	Carbon Disulfide	-0.01	ND	0.0311
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	ND	0.0153
12)	Acetone	-0.02	0.0585	0.0237
13)	Methylene Chloride	-0.01	0.0086	0.0069
14)	t-1,2-Dichloroethene		ND	0.0079
15)	1,1-Dichloroethane	-0.01	0.0084	0.0081
16)	Vinyl Acetate	0.24	ND	0.0351
17)	c-1,2-Dichloroethene	0.01	ND	0.0079
18)	2-Butanone	-0.00	ND	0.0294
19)	Chloroform	0.00	ND	0.0097
20)	1,1,1-Trichloroethane	0.00	ND	0.0109
21)	Carbon Tetrachloride	0.01	ND	0.0126
23)	Benzene	0.02	0.0070 F	0.0064
25)	1,2-Dichloroethane	0.01	0.0089 F	0.0081
26)	Trichloroethene	0.01	0.2635	0.0107
27)	1,2-Dichloropropane		ND	0.0092
28)	Bromodichloromethane		ND	0.0134
29)	c-1,3-Dichloropropene		ND	0.0091
30)	4-Methyl-2-Pentanone	-0.29	ND	0.0409
32)	Toluene	-0.06	0.0397	~~0.0075~~ 0.0188
34)	t-1,3-Dichloropropene	-0.34	ND	0.0091
35)	1,1,2-Trichloroethane	-0.04	ND	0.0109
36)	Tetrachloroethene	-0.05	ND	0.0135
37)	2-Hexanone	-0.00	ND	0.1226
38)	Dibromochloromethane	-0.15	ND	0.0170
39)	1,2-Dibromoethane	-0.07	ND	0.0153
40)	Chlorobenzene	0.01	ND	0.0092
41)	Ethylbenzene	-0.01	ND	0.0087
42)	p,&m-Xylene	0.00	0.0152	0.0087
43)	o-Xylene	0.01	ND	0.0087
44)	Styrene	-0.00	ND	0.0085
45)	Bromoform		ND	0.0206

FEB 8'99 22:11 FR 714 258 0921 TO OHM-IRVINE P.10

Sample Name:	136065-5 OHM	**Data Analyzed:**	01/30/19 -1:3:
Misc. Info:	500 ml 18233-041 TEDLAR	**Method:**	MSB0130
Data Name:	B0962.D	**Shift Call.File:**	CC01301.D
Data Path:	d:\gcmsb\990125\	**Dilution Factor:**	1

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.09	ND	0.0137
48)	Benzyl Chloride	-0.09	ND	0.0518
49)	4-Ethyl Toluene	0.01	ND	0.0098
50)	1,3,5-Trimethylbenzene	0.04	ND	0.0098
51)	1,2,4-Trimethylbenzene	0.04	ND	0.0098
52)	1,3-Dichlorobenzene	0.06	ND	0.0120
53)	1,4-Dichlorobenzene	0.07	ND	0.0120
54)	1,2-Dichlorobenzene	-0.01	ND	0.0120
55)	1,2,4-Trichlorobenzene	0.06	ND	0.1481
56)	Hexachlorobutadiene		ND	0.0426
	MTBE		ND	0.0360

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	337814	370884	OK	7.09	7.07	OK
1,4-Difluorobenzene	1954545	1981014	OK	8.71	8.69	OK
Chlorobenzene-d5	1073558	1008126	OK	14.00	13.95	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	50.32	100.6
Toluene-d8	50	42.30	84.6
4-Bromofluorobenzene	50	48.36	96.7

Comments:

Foot Notes:

ug/L conversion only
DO 020899

1st Review: 2nd Review

FEB 8'99 22:11 FR 714 258 0921 TO OHM-IRVINE P.11

Quanterra Air Toxics Lab

Sample Name:	136065-6 OHM	**Data Analyzed:**	30 Jan 1999 13:49
Misc. Info:	20 ml 18233-042 TEDLAR	**Method:**	MSB0130
Data Name:	B0963.D	**Shift Call.File:**	CC01301.D
Data Path:	D:\GCMSB\990125\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
2)	Dichlorodifluoromethane (1	-0.02	ND	0.2468
3)	Chloromethan	-0.11	ND	0.2061
4)	1,2-Cl-1,1,2,2-F ethane (114)	-0.03	ND	0.3488
5)	Vinyl Chloride	0.22	ND	0.1276
6)	Bromomethan		ND	0.1938
7)	Chloroethane		ND	0.2633
8)	Trichlorofluoromethane (11)		ND	0.2804
9)	1,1-Dichloroethene	-0.02	15.2983	0.1979
10)	Carbon Disulfide	-0.03	ND	0.7770
11)	1,1,2-Cl 1,2,2-F ethane (113)	-0.01	5.1908	0.3824
12)	Acetone	0.01	ND	0.5928
13)	Methylene Chloride	-0.02	ND	0.1734
14)	t-1,2-Dichloroethene		ND	0.1979
15)	1,1-Dichloroethane	-0.01	0.6225	0.2020
16)	Vinyl Acetate	0.03	ND	0.8785
17)	c-1,2-Dichloroethene	-0.01	ND	0.1979
18)	2-Butanone	0.22	ND	0.7358
19)	Chloroform	0.00	0.3251	0.2437
20)	1,1,1-Trichloroethane	0.27	ND	0.2723
21)	Carbon Tetrachloride	0.01	0.4567	0.3139
23)	Benzene	-0.02	ND	0.1594
25)	1,2-Dichloroethane	-0.03	ND	0.2020
26)	Trichloroethene	0.02	19.6922	0.2682
27)	1,2-Dichloropropane		ND	0.2306
28)	Bromodichloromethane	-0.22	ND	0.3344
29)	c-1,3-Dichloropropene	0.39	ND	0.2265
30)	4-Methyl-2-Pentanone	-0.01	ND	1.0220
32)	Toluene	0.00	ND	~~0.1881~~ ~~2.35~~ 0.470
34)	t-1,3-Dichloropropene		ND	0.2265
35)	1,1,2-Trichloroethane	0.10	ND	0.2723
36)	Tetrachloroethene	0.00	ND	0.3385
37)	2-Hexanone	0.05	ND	3.0660
38)	Dibromochloromethane		ND	0.4251
39)	1,2-Dibromoethane		ND	0.3834
40)	Chlorobenzene	-0.12	ND	0.2297
41)	Ethylbenzene	-0.05	ND	0.2167
42)	p,&m-Xylene	-0.00	ND	0.2167
43)	o-Xylene	0.03	ND	0.2167
44)	Styrene	-0.03	ND	0.2126
45)	Bromoform		ND	0.5158

FEB 8'99 22:11 FR 714 258 0921 TO OHM-IRVINE P.12

D:\GCMSB\990125\B0963.D

Sample Name:	136065-6 OHM	**Data Analyzed:**	01/30/19 -1:3:
Misc. Info:	20 ml 18233-042 TEDLAR	**Method:**	MSB0130
Data Name:	B0963.D	**Shift Cali.File:**	CC01301.D
Data Path:	D:\GCMSB\990125\	**Dilution Factor:**	25

	Compound	dRT	Result(ug/L)	RL(ug/L)
47)	1,1,2,2-Tetrachloroethane	-0.02	ND	0.3426
48)	Benzyl Chloride	-0.03	ND	1.2940
49)	4-Ethyl Toluene	0.01	ND	0.2453
50)	1,3,5-Trimethylbenzene	0.02	ND	0.2453
51)	1,2,4-Trimethylbenzene	0.06	ND	0.2453
52)	1,3-Dichlorobenzene		ND	0.3000
53)	1,4-Dichlorobenzene		ND	0.3000
54)	1,2-Dichlorobenzene		ND	0.3000
55)	1,2,4-Trichlorobenzene	0.01	ND	3.7030
56)	Hexachlorobutadiene		ND	1.0643
	MTBE		ND	0.899

I.S.	Daily Area	Sample Area	Area Criteria	Daily R.T.	Sample R.T.	R.T. Criteria
Bromochloromethane	337814	365993	OK	7.09	7.08	OK
1,4-Difluorobenzene	1954545	2032719	OK	8.71	8.73	OK
Chlorobenzene-d5	1073558	924487	OK	14.00	14.01	OK

Surrogates	Spiked	Found	%Recovery
1,2-Dichloroethane	50	47.70	95.4
Toluene-d8	50	45.90	91.8
4-Bromofluorobenzene	50	45.83	91.7

Comments:

Foot Notes:

ug/L conversion only

1st Review: BO 020899 2nd Review

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219493
FORM 0019 REV 2/97

OHM LAB COORDINATOR: Christina Williams	LAB COORDINATOR'S PHONE: (949) 660-5310	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: Q136098	LABORATORY CONTACT: MARIA JONES	MAIL REPORT TO COMPANY NAME: [illegible]
PROJECT NAME: Soil Gas Sampling	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 18708	LABORATORY PHONE: (714) 258-8610	LABORATORY FAX:	RECIPIENT NAME: [illegible]
PROJECT CONTACT: Christina Williams	PROJECT PHONE NUMBER: (949) 451-1667	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: [illegible]	ADDRESS: 3347 Michelson Dr #[illegible]	
PROJECT ADDRESS: MCAS EL TORO	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Hornecker, SW DIV	CITY, STATE AND ZIPCODE: Santa Ana, CA	CITY, STATE, AND ZIPCODE: Irvine, CA	
PROJECT MANAGER: [illegible]	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyses: TO-14 — Analyze A [illegible]

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses	Comments
1	18708-775 775	Vapor	2/4/99	1255	[illegible]	2	III	24 hr	X	
2	18708-776	Vapor	2/4/99	1255	[illegible]	3	III	24 hr	X	
3	18708-777	[illegible]	[illegible]	1115	[illegible]	[illegible]	III	[illegible]	X	
4	18708-778	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	III	[illegible]	X	
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
[illegible]		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	[illegible]	[illegible]	[illegible]	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1. 245G31- Ambient	X		X	X
2. 245G31- @ 47.5'	X		X	
3. 245G31 @ 70'	X		X	
4. 245G31 @ 95.5'	X		X	

Comments
(1)-(4) Soil Gas Sampling - SG31

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-775
LAB ID: 136098-0001-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	36	F	10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	10	F	10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	40		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	5.9		2.0	ppb (v/v)
Xylenes (total)	31		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	3.1		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-775
LAB ID: 136098-0001-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	4.0		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-776
LAB ID: 136098-0002-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 2.0

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		4.0	ppb (v/v)
Chloromethane	ND		8.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		4.0	ppb (v/v)
Vinyl chloride	ND		4.0	ppb (v/v)
Bromomethane	ND		4.0	ppb (v/v)
Chloroethane	ND		8.0	ppb (v/v)
Trichlorofluoromethane	ND		4.0	ppb (v/v)
1,1-Dichloroethene	300		4.0	ppb (v/v)
Carbon disulfide	ND		20	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	190		4.0	ppb (v/v)
Acetone	79		20	ppb (v/v)
Methylene chloride	ND		4.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		4.0	ppb (v/v)
Methyl t-butyl ether	ND		20	ppb (v/v)
1,1-Dichloroethane	ND		4.0	ppb (v/v)
Vinyl acetate	ND		20	ppb (v/v)
cis-1,2-Dichloroethene	ND		4.0	ppb (v/v)
2-Butanone	ND		20	ppb (v/v)
hloroform	ND		4.0	ppb (v/v)
1,1,1-Trichloroethane	ND		4.0	ppb (v/v)
Carbon tetrachloride	17		4.0	ppb (v/v)
Benzene	6.2	F	4.0	ppb (v/v)
1,2-Dichloroethane	ND		4.0	ppb (v/v)
Trichloroethene	87		4.0	ppb (v/v)
1,2-Dichloropropane	ND		4.0	ppb (v/v)
Bromodichloromethane	ND		4.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		4.0	ppb (v/v)
4-Methyl-2-pentanone	ND		20	ppb (v/v)
Toluene	28		10	ppb (v/v)
trans-1,3-Dichloropropene	ND		4.0	ppb (v/v)
1,1,2-Trichloroethane	ND		4.0	ppb (v/v)
Tetrachloroethene	ND		4.0	ppb (v/v)
2-Hexanone	ND		60	ppb (v/v)
Dibromochloromethane	ND		4.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		4.0	ppb (v/v)
Chlorobenzene	ND		4.0	ppb (v/v)
Ethylbenzene	4.7		4.0	ppb (v/v)
Xylenes (total)	24		4.0	ppb (v/v)
Styrene	ND		4.0	ppb (v/v)
Bromoform	ND		4.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		4.0	ppb (v/v)
Benzyl chloride	ND		20	ppb (v/v)
4-Ethyltoluene	ND		4.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-776
LAB ID: 136098-0002-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 2.0

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		4.0	ppb (v/v)
1,2,4-Trimethylbenzene	ND		4.0	ppb (v/v)
1,3-Dichlorobenzene	ND		4.0	ppb (v/v)
1,4-Dichlorobenzene	ND		4.0	ppb (v/v)
1,2-Dichlorobenzene	ND		4.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		40	ppb (v/v)
Hexachlorobutadiene	ND		8.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-777
LAB ID: 136098-0003-SA
Matrix: AIR — Sampled: 04 FEB 99 — Received: 04 FEB 99
Authorized: 04 FEB 99 — Prepared: N/A — Analyzed: 05 FEB 99
Instrument: GC/MS-B — Dilution: 10

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		20	ppb (v/v)
Chloromethane	ND		40	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		20	ppb (v/v)
Vinyl chloride	ND		20	ppb (v/v)
Bromomethane	ND		20	ppb (v/v)
Chloroethane	ND		40	ppb (v/v)
Trichlorofluoromethane	ND		20	ppb (v/v)
1,1-Dichloroethene	1100		20	ppb (v/v)
Carbon disulfide	ND		100	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	970		20	ppb (v/v)
Acetone	110	F	100	ppb (v/v)
Methylene chloride	ND		20	ppb (v/v)
trans-1,2-Dichloroethene	ND		20	ppb (v/v)
Methyl t-butyl ether	ND		100	ppb (v/v)
1,1-Dichloroethane	ND		20	ppb (v/v)
Vinyl acetate	ND		100	ppb (v/v)
cis-1,2-Dichloroethene	ND		20	ppb (v/v)
2-Butanone	ND		100	ppb (v/v)
Chloroform	ND		20	ppb (v/v)
1,1,1-Trichloroethane	ND		20	ppb (v/v)
Carbon tetrachloride	89		20	ppb (v/v)
Benzene	ND		20	ppb (v/v)
1,2-Dichloroethane	ND		20	ppb (v/v)
Trichloroethene	400		20	ppb (v/v)
1,2-Dichloropropane	ND		20	ppb (v/v)
Bromodichloromethane	ND		20	ppb (v/v)
cis-1,3-Dichloropropene	ND		20	ppb (v/v)
4-Methyl-2-pentanone	ND		100	ppb (v/v)
Toluene	50		50	ppb (v/v)
trans-1,3-Dichloropropene	ND		20	ppb (v/v)
1,1,2-Trichloroethane	ND		20	ppb (v/v)
Tetrachloroethene	ND		20	ppb (v/v)
2-Hexanone	ND		300	ppb (v/v)
Dibromochloromethane	ND		20	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		20	ppb (v/v)
Chlorobenzene	ND		20	ppb (v/v)
Ethylbenzene	ND		20	ppb (v/v)
Xylenes (total)	ND		20	ppb (v/v)
Styrene	ND		20	ppb (v/v)
Bromoform	ND		20	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		20	ppb (v/v)
Benzyl chloride	ND		100	ppb (v/v)
4-Ethyltoluene	ND		20	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-777
LAB ID: 136098-0003-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 10

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		20	ppb (v/v)
1,2,4-Trimethylbenzene	ND		20	ppb (v/v)
1,3-Dichlorobenzene	ND		20	ppb (v/v)
1,4-Dichlorobenzene	ND		20	ppb (v/v)
1,2-Dichlorobenzene	ND		20	ppb (v/v)
1,2,4-Trichlorobenzene	ND		200	ppb (v/v)
Hexachlorobutadiene	ND		40	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18708-778
LAB ID: 136098-0004-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 50

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		100	ppb (v/v)
Chloromethane	ND		200	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		100	ppb (v/v)
Vinyl chloride	ND		100	ppb (v/v)
Bromomethane	ND		100	ppb (v/v)
Chloroethane	ND		200	ppb (v/v)
Trichlorofluoromethane	ND		100	ppb (v/v)
1,1-Dichloroethene	6200		100	ppb (v/v)
Carbon disulfide	ND		500	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	4900		100	ppb (v/v)
Acetone	ND		500	ppb (v/v)
Methylene chloride	ND		100	ppb (v/v)
trans-1,2-Dichloroethene	ND		100	ppb (v/v)
Methyl t-butyl ether	ND		500	ppb (v/v)
1,1-Dichloroethane	ND		100	ppb (v/v)
Vinyl acetate	ND		500	ppb (v/v)
cis-1,2-Dichloroethene	ND		100	ppb (v/v)
2-Butanone	ND		500	ppb (v/v)
hloroform	ND		100	ppb (v/v)
,1,1-Trichloroethane	ND		100	ppb (v/v)
Carbon tetrachloride	350		100	ppb (v/v)
Benzene	ND		100	ppb (v/v)
1,2-Dichloroethane	ND		100	ppb (v/v)
Trichloroethene	2300		100	ppb (v/v)
1,2-Dichloropropane	ND		100	ppb (v/v)
Bromodichloromethane	ND		100	ppb (v/v)
cis-1,3-Dichloropropene	ND		100	ppb (v/v)
4-Methyl-2-pentanone	ND		500	ppb (v/v)
Toluene	ND		250	ppb (v/v)
trans-1,3-Dichloropropene	ND		100	ppb (v/v)
1,1,2-Trichloroethane	ND		100	ppb (v/v)
Tetrachloroethene	ND		100	ppb (v/v)
2-Hexanone	ND		1500	ppb (v/v)
Dibromochloromethane	ND		100	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		100	ppb (v/v)
Chlorobenzene	ND		100	ppb (v/v)
Ethylbenzene	ND		100	ppb (v/v)
Xylenes (total)	ND		100	ppb (v/v)
Styrene	ND		100	ppb (v/v)
Bromoform	ND		100	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		100	ppb (v/v)
Benzyl chloride	ND		500	ppb (v/v)
4-Ethyltoluene	ND		100	ppb (v/v)
1,3,5-Trimethylbenzene	ND		100	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18708-778
LAB ID: 136098-0004-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 50

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		100	ppb (v/v)
1,3-Dichlorobenzene	ND		100	ppb (v/v)
1,4-Dichlorobenzene	ND		100	ppb (v/v)
1,2-Dichlorobenzene	ND		100	ppb (v/v)
1,2,4-Trichlorobenzene	ND		1000	ppb (v/v)
Hexachlorobutadiene	ND		200	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18708-775
LAB ID: 136098-0001-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	0.086	F	0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	0.037	F	0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	ND		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.15		0.019	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	0.025		0.0087	ug/L
Xylenes (total)	0.13		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	0.015		0.0099	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14

(cont.)

Client Name:	IT Group		
Client ID:	18708-775		
LAB ID:	136098-0001-SA		
Matrix:	AIR	Sampled: 04 FEB 99	Received: 04 FEB 99
Authorized:	04 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 1.0	

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.0098	ug/L
1,2,4-Trimethylbenzene	0.020		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18708-776
LAB ID: 136098-0002-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 2.0

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.020	ug/L
Chloromethane	ND		0.016	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.028	ug/L
Vinyl chloride	ND		0.010	ug/L
Bromomethane	ND		0.016	ug/L
Chloroethane	ND		0.022	ug/L
Trichlorofluoromethane	ND		0.022	ug/L
1,1-Dichloroethene	1.2		0.016	ug/L
Carbon disulfide	ND		0.062	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5		0.030	ug/L
Acetone	0.19		0.048	ug/L
Methylene chloride	ND		0.014	ug/L
trans-1,2-Dichloroethene	ND		0.016	ug/L
Methyl t-butyl ether	ND		0.072	ug/L
1,1-Dichloroethane	ND		0.016	ug/L
Vinyl acetate	ND		0.070	ug/L
cis-1,2-Dichloroethene	ND		0.016	ug/L
2-Butanone	ND		0.058	ug/L
Chloroform	ND		0.019	ug/L
,1,1-Trichloroethane	ND		0.022	ug/L
Carbon tetrachloride	0.11		0.026	ug/L
Benzene	0.020	F	0.013	ug/L
1,2-Dichloroethane	ND		0.016	ug/L
Trichloroethene	0.47		0.022	ug/L
1,2-Dichloropropane	ND		0.018	ug/L
Bromodichloromethane	ND		0.026	ug/L
cis-1,3-Dichloropropene	ND		0.018	ug/L
4-Methyl-2-pentanone	ND		0.082	ug/L
Toluene	0.10		0.038	ug/L
trans-1,3-Dichloropropene	ND		0.018	ug/L
1,1,2-Trichloroethane	ND		0.022	ug/L
Tetrachloroethene	ND		0.028	ug/L
2-Hexanone	ND		0.24	ug/L
Dibromochloromethane	ND		0.034	ug/L
1,2-Dibromoethane (EDB)	ND		0.030	ug/L
Chlorobenzene	ND		0.018	ug/L
Ethylbenzene	0.020		0.017	ug/L
Xylenes (total)	0.10		0.017	ug/L
Styrene	ND		0.017	ug/L
Bromoform	ND		0.042	ug/L
1,1,2,2-Tetrachloroethane	ND		0.028	ug/L
Benzyl chloride	ND		0.10	ug/L
4-Ethyltoluene	ND		0.020	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14

(cont.)

Client Name:	IT Group		
Client ID:	18708-776		
LAB ID:	136098-0002-SA		
Matrix:	AIR	Sampled: 04 FEB 99	Received: 04 FEB 99
Authorized:	04 FEB 99	Prepared: N/A	Analyzed: 05 FEB 99
Instrument:	GC/MS-B	Dilution: 2.0	

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.020	ug/L
1,2,4-Trimethylbenzene	ND		0.020	ug/L
1,3-Dichlorobenzene	ND		0.024	ug/L
1,4-Dichlorobenzene	ND		0.024	ug/L
1,2-Dichlorobenzene	ND		0.024	ug/L
1,2,4-Trichlorobenzene	ND		0.30	ug/L
Hexachlorobutadiene	ND		0.084	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18708-777
LAB ID: 136098-0003-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 10

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.099	ug/L
Chloromethane	ND		0.082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.14	ug/L
Vinyl chloride	ND		0.051	ug/L
Bromomethane	ND		0.078	ug/L
Chloroethane	ND		0.11	ug/L
Trichlorofluoromethane	ND		0.11	ug/L
1,1-Dichloroethene	4.4		0.079	ug/L
Carbon disulfide	ND		0.31	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	7.4		0.15	ug/L
Acetone	0.27	F	0.24	ug/L
Methylene chloride	ND		0.069	ug/L
trans-1,2-Dichloroethene	ND		0.079	ug/L
Methyl t-butyl ether	ND		0.36	ug/L
1,1-Dichloroethane	ND		0.081	ug/L
Vinyl acetate	ND		0.35	ug/L
cis-1,2-Dichloroethene	ND		0.079	ug/L
2-Butanone	ND		0.29	ug/L
Chloroform	ND		0.097	ug/L
1,1,1-Trichloroethane	ND		0.11	ug/L
Carbon tetrachloride	0.56		0.13	ug/L
Benzene	ND		0.064	ug/L
1,2-Dichloroethane	ND		0.081	ug/L
Trichloroethene	2.2		0.11	ug/L
1,2-Dichloropropane	ND		0.092	ug/L
Bromodichloromethane	ND		0.13	ug/L
cis-1,3-Dichloropropene	ND		0.091	ug/L
4-Methyl-2-pentanone	ND		0.41	ug/L
Toluene	0.19		0.19	ug/L
trans-1,3-Dichloropropene	ND		0.091	ug/L
1,1,2-Trichloroethane	ND		0.11	ug/L
Tetrachloroethene	ND		0.14	ug/L
2-Hexanone	ND		1.2	ug/L
Dibromochloromethane	ND		0.17	ug/L
1,2-Dibromoethane (EDB)	ND		0.15	ug/L
Chlorobenzene	ND		0.092	ug/L
Ethylbenzene	ND		0.087	ug/L
Xylenes (total)	ND		0.087	ug/L
Styrene	ND		0.085	ug/L
Bromoform	ND		0.21	ug/L
1,1,2,2-Tetrachloroethane	ND		0.14	ug/L
Benzyl chloride	ND		0.52	ug/L
4-Ethyltoluene	ND		0.099	ug/L

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18708-777
LAB ID: 136098-0003-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 10

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		0.098	ug/L
1,2,4-Trimethylbenzene	ND		0.098	ug/L
1,3-Dichlorobenzene	ND		0.12	ug/L
1,4-Dichlorobenzene	ND		0.12	ug/L
1,2-Dichlorobenzene	ND		0.12	ug/L
1,2,4-Trichlorobenzene	ND		1.5	ug/L
Hexachlorobutadiene	ND		0.42	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14

Client Name: IT Group
Client ID: 18708-778
LAB ID: 136098-0004-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 50

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.50	ug/L
Chloromethane	ND		0.41	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.70	ug/L
Vinyl chloride	ND		0.26	ug/L
Bromomethane	ND		0.39	ug/L
Chloroethane	ND		0.55	ug/L
Trichlorofluoromethane	ND		0.55	ug/L
1,1-Dichloroethene	25		0.40	ug/L
Carbon disulfide	ND		1.6	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	38		0.75	ug/L
Acetone	ND		1.2	ug/L
Methylene chloride	ND		0.34	ug/L
trans-1,2-Dichloroethene	ND		0.40	ug/L
Methyl t-butyl ether	ND		1.8	ug/L
1,1-Dichloroethane	ND		0.40	ug/L
Vinyl acetate	ND		1.8	ug/L
cis-1,2-Dichloroethene	ND		0.40	ug/L
2-Butanone	ND		1.4	ug/L
Chloroform	ND		0.48	ug/L
1,1,1-Trichloroethane	ND		0.55	ug/L
Carbon tetrachloride	2.2		0.65	ug/L
Benzene	ND		0.32	ug/L
1,2-Dichloroethane	ND		0.40	ug/L
Trichloroethene	12		0.55	ug/L
1,2-Dichloropropane	ND		0.46	ug/L
Bromodichloromethane	ND		0.65	ug/L
cis-1,3-Dichloropropene	ND		0.46	ug/L
4-Methyl-2-pentanone	ND		2.0	ug/L
Toluene	ND		0.95	ug/L
trans-1,3-Dichloropropene	ND		0.46	ug/L
1,1,2-Trichloroethane	ND		0.55	ug/L
Tetrachloroethene	ND		0.70	ug/L
2-Hexanone	ND		6.0	ug/L
Dibromochloromethane	ND		0.85	ug/L
1,2-Dibromoethane (EDB)	ND		0.75	ug/L
Chlorobenzene	ND		0.46	ug/L
Ethylbenzene	ND		0.44	ug/L
Xylenes (total)	ND		0.44	ug/L
Styrene	ND		0.42	ug/L
Bromoform	ND		1.0	ug/L
1,1,2,2-Tetrachloroethane	ND		0.70	ug/L
Benzyl chloride	ND		2.6	ug/L
4-Ethyltoluene	ND		0.50	ug/L
1,3,5-Trimethylbenzene	ND		0.49	ug/L

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: IT Group
Client ID: 18708-778
LAB ID: 136098-0004-SA
Matrix: AIR
Authorized: 04 FEB 99
Instrument: GC/MS-B

Sampled: 04 FEB 99
Prepared: N/A
Dilution: 50

Received: 04 FEB 99
Analyzed: 05 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.49	ug/L
1,3-Dichlorobenzene	ND		0.60	ug/L
1,4-Dichlorobenzene	ND		0.60	ug/L
1,2-Dichlorobenzene	ND		0.60	ug/L
1,2,4-Trichlorobenzene	ND		7.5	ug/L
Hexachlorobutadiene	ND		2.1	ug/L

ND = Not Detected

OHM Remediation Services Corp
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-1326

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

219485

FORM 0019 REV. 2-93

OHM's LAB COORDINATOR: Thizar Tinhut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY SERVICE ID: Q136071	LABORATORY CONTACT: Maria Jones	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18233	LABORATORY PHONE: (626) 965-1006	LABORATORY FAX:	RECIPIENT NAME: Duwayne Ichida
PROJECT CONTACT: Thizar Tinhut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr., Ste 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Homecker, SW Div.	CITY, STATE AND ZIPCODE: City of Industry, CA		CITY, STATE AND ZIPCODE: Irvine, CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14	Comments
1	18233-043	Vapor	2/1/99	0910	Ambient	2	III	24hr	X	
2	18233-044	Vapor	2/1/99	0940	Ambient	3	III	24hr	X	
3	18233-045	Vapor	2/1/99	1120	Ambient	3	III	24hr	X	
4	18233-046	Vapor	2/1/99	1235	Ambient	3	III	24hr	X	
5	18233-047	Vapor	2/1/99	1457	Ambient	2	III	24hr	X	
6	18233-048	Vapor	2/1/99	1525	Ambient	3	III	24hr	X	
7	18233-049	Vapor	2/1/99	1530	Ambient	2	IV	24hr	X	
8										
9										
10										

J Finley 2/1/99

SAMPLES COLLECTED BY: Linda Finley

RELINQUISHED BY: Linda Finley

COOLER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
① 24SG24 - Amb	X		X	X
② 24SG24 @ 53'	X		X	
③ 24SG24 @ 75'	X		X	
④ 24SG24 @ 95.5'	X		X	
⑤ 24SG136 - Amb	X		X	X
⑥ 24SG136 - @ 46.5'	X		X	
⑦ 24SG136 @ 46.5' (Duplicate)	X		X	X

Comments:

Soil Gas Sampling @ Site 24
①-④ Location 24
⑤-⑦ Location 136

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-043
LAB ID: 136071-0001-SA
Matrix: AIR — Sampled: 01 FEB 99 — Received: 01 FEB 99
Authorized: 01 FEB 99 — Prepared: N/A — Analyzed: 01 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	18		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	2.9		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	11		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	7.9		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-043
LAB ID: 136071-0001-SA
Matrix: AIR Sampled: 01 FEB 99 Received: 01 FEB 99
Authorized: 01 FEB 99 Prepared: N/A Analyzed: 01 FEB 99
Instrument: GC/MS-B Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	2.6		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-044
LAB ID: 136071-0002-SA
Matrix: AIR
Authorized: 01 FEB 99
Instrument: GC/MS-B

Sampled: 01 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 01 FEB 99
Analyzed: 02 FEB 99

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	13		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	13		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	3.0		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-044
LAB ID: 136071-0002-SA
Matrix: AIR
Authorized: 01 FEB 99
Instrument: GC/MS-B

Sampled: 01 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 01 FEB 99
Analyzed: 02 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-045
LAB ID: 136071-0003-SA
Matrix: AIR — Sampled: 01 FEB 99 — Received: 01 FEB 99
Authorized: 01 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 20

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		40	ppb (v/v)
Chloromethane	ND		80	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		40	ppb (v/v)
Vinyl chloride	ND		40	ppb (v/v)
Bromomethane	ND		40	ppb (v/v)
Chloroethane	ND		80	ppb (v/v)
Trichlorofluoromethane	ND		40	ppb (v/v)
1,1-Dichloroethene	2600		40	ppb (v/v)
Carbon disulfide	ND		200	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	3700		40	ppb (v/v)
Acetone	ND		200	ppb (v/v)
Methylene chloride	ND		40	ppb (v/v)
trans-1,2-Dichloroethene	ND		40	ppb (v/v)
Methyl t-butyl ether	ND		200	ppb (v/v)
1,1-Dichloroethane	ND		40	ppb (v/v)
Vinyl acetate	ND		200	ppb (v/v)
cis-1,2-Dichloroethene	ND		40	ppb (v/v)
2-Butanone	ND		200	ppb (v/v)
Chloroform	ND		40	ppb (v/v)
1,1,1-Trichloroethane	ND		40	ppb (v/v)
Carbon tetrachloride	79		40	ppb (v/v)
Benzene	ND		40	ppb (v/v)
1,2-Dichloroethane	ND		40	ppb (v/v)
Trichloroethene	440		40	ppb (v/v)
1,2-Dichloropropane	ND		40	ppb (v/v)
Bromodichloromethane	ND		40	ppb (v/v)
cis-1,3-Dichloropropene	ND		40	ppb (v/v)
4-Methyl-2-pentanone	ND		200	ppb (v/v)
Toluene	ND		100	ppb (v/v)
trans-1,3-Dichloropropene	ND		40	ppb (v/v)
1,1,2-Trichloroethane	ND		40	ppb (v/v)
Tetrachloroethene	ND		40	ppb (v/v)
2-Hexanone	ND		600	ppb (v/v)
Dibromochloromethane	ND		40	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		40	ppb (v/v)
Chlorobenzene	ND		40	ppb (v/v)
Ethylbenzene	ND		40	ppb (v/v)
Xylenes (total)	ND		40	ppb (v/v)
Styrene	ND		40	ppb (v/v)
Bromoform	ND		40	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		40	ppb (v/v)
Benzyl chloride	ND		200	ppb (v/v)
4-Ethyltoluene	ND		40	ppb (v/v)
1,3,5-Trimethylbenzene	ND		40	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-045
LAB ID: 136071-0003-SA
Matrix: AIR — Sampled: 01 FEB 99 — Received: 01 FEB 99
Authorized: 01 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 20

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		40	ppb (v/v)
1,3-Dichlorobenzene	ND		40	ppb (v/v)
1,4-Dichlorobenzene	ND		40	ppb (v/v)
1,2-Dichlorobenzene	ND		40	ppb (v/v)
1,2,4-Trichlorobenzene	ND		400	ppb (v/v)
Hexachlorobutadiene	ND		80	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-046
LAB ID: 136071-0004-SA
Matrix: AIR — Sampled: 01 FEB 99 — Received: 01 FEB 99
Authorized: 01 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	40		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	76		2.0	ppb (v/v)
Acetone	22	F	10	ppb (v/v)
Methylene chloride	2.2	F	2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	2.0		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	26		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	41		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	2.3		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	4.7		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-046
LAB ID: 136071-0004-SA
Matrix: AIR
Authorized: 01 FEB 99
Instrument: GC/MS-B

Sampled: 01 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 01 FEB 99
Analyzed: 02 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-047
LAB ID: 136071-0005-SA
Matrix: AIR — Sampled: 01 FEB 99 — Received: 01 FEB 99
Authorized: 01 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	28		10	ppb (v/v)
Methylene chloride	2.8	F	2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	2.6	F	2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	2.1		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	41		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	2.2		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	7.6		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	2.1		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-047
LAB ID: 136071-0005-SA
Matrix: AIR
Sampled: 01 FEB 99
Received: 01 FEB 99
Authorized: 01 FEB 99
Prepared: N/A
Analyzed: 02 FEB 99
Instrument: GC/MS-B
Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	3.0		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name:	IT Group		
Client ID:	18233-048		
LAB ID:	136071-0006-SA		
Matrix:	AIR	Sampled: 01 FEB 99	Received: 01 FEB 99
Authorized:	01 FEB 99	Prepared: N/A	Analyzed: 02 FEB 99
Instrument:	GC/MS-B	Dilution: 500	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1000	ppb (v/v)
Chloromethane	ND		2000	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1000	ppb (v/v)
Vinyl chloride	ND		1000	ppb (v/v)
Bromomethane	ND		1000	ppb (v/v)
Chloroethane	ND		2000	ppb (v/v)
Trichlorofluoromethane	ND		1000	ppb (v/v)
1,1-Dichloroethene	ND		1000	ppb (v/v)
Carbon disulfide	ND		5000	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	110000		1000	ppb (v/v)
Acetone	ND		5000	ppb (v/v)
Methylene chloride	ND		1000	ppb (v/v)
trans-1,2-Dichloroethene	ND		1000	ppb (v/v)
Methyl t-butyl ether	ND		5000	ppb (v/v)
1,1-Dichloroethane	ND		1000	ppb (v/v)
Vinyl acetate	ND		5000	ppb (v/v)
cis-1,2-Dichloroethene	ND		1000	ppb (v/v)
2-Butanone	ND		5000	ppb (v/v)
Chloroform	ND		1000	ppb (v/v)
1,1,1-Trichloroethane	ND		1000	ppb (v/v)
Carbon tetrachloride	ND		1000	ppb (v/v)
Benzene	ND		1000	ppb (v/v)
1,2-Dichloroethane	ND		1000	ppb (v/v)
Trichloroethene	ND		1000	ppb (v/v)
1,2-Dichloropropane	ND		1000	ppb (v/v)
Bromodichloromethane	ND		1000	ppb (v/v)
cis-1,3-Dichloropropene	ND		1000	ppb (v/v)
4-Methyl-2-pentanone	ND		5000	ppb (v/v)
Toluene	ND		2500	ppb (v/v)
trans-1,3-Dichloropropene	ND		1000	ppb (v/v)
1,1,2-Trichloroethane	ND		1000	ppb (v/v)
Tetrachloroethene	ND		1000	ppb (v/v)
2-Hexanone	ND		15000	ppb (v/v)
Dibromochloromethane	ND		1000	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		1000	ppb (v/v)
Chlorobenzene	ND		1000	ppb (v/v)
Ethylbenzene	ND		1000	ppb (v/v)
Xylenes (total)	ND		1000	ppb (v/v)
Styrene	ND		1000	ppb (v/v)
Bromoform	ND		1000	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		1000	ppb (v/v)
Benzyl chloride	ND		5000	ppb (v/v)
4-Ethyltoluene	ND		1000	ppb (v/v)
1,3,5-Trimethylbenzene	ND		1000	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-048
LAB ID: 136071-0006-SA
Matrix: AIR Sampled: 01 FEB 99 Received: 01 FEB 99
Authorized: 01 FEB 99 Prepared: N/A Analyzed: 02 FEB 99
Instrument: GC/MS-B Dilution: 500

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		1000	ppb (v/v)
1,3-Dichlorobenzene	ND		1000	ppb (v/v)
1,4-Dichlorobenzene	ND		1000	ppb (v/v)
1,2-Dichlorobenzene	ND		1000	ppb (v/v)
1,2,4-Trichlorobenzene	ND		10000	ppb (v/v)
Hexachlorobutadiene	ND		2000	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-049
LAB ID: 136071-0007-SA
Matrix: AIR — Sampled: 01 FEB 99 — Received: 01 FEB 99
Authorized: 01 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 500

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		1000	ppb (v/v)
Chloromethane	ND		2000	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1000	ppb (v/v)
Vinyl chloride	ND		1000	ppb (v/v)
Bromomethane	ND		1000	ppb (v/v)
Chloroethane	ND		2000	ppb (v/v)
Trichlorofluoromethane	ND		1000	ppb (v/v)
1,1-Dichloroethene	ND		1000	ppb (v/v)
Carbon disulfide	ND		5000	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	120000		1000	ppb (v/v)
Acetone	ND		5000	ppb (v/v)
Methylene chloride	ND		1000	ppb (v/v)
trans-1,2-Dichloroethene	ND		1000	ppb (v/v)
Methyl t-butyl ether	ND		5000	ppb (v/v)
1,1-Dichloroethane	ND		1000	ppb (v/v)
Vinyl acetate	ND		5000	ppb (v/v)
cis-1,2-Dichloroethene	ND		1000	ppb (v/v)
2-Butanone	ND		5000	ppb (v/v)
Chloroform	ND		1000	ppb (v/v)
1,1,1-Trichloroethane	ND		1000	ppb (v/v)
Carbon tetrachloride	ND		1000	ppb (v/v)
Benzene	ND		1000	ppb (v/v)
1,2-Dichloroethane	ND		1000	ppb (v/v)
Trichloroethene	ND		1000	ppb (v/v)
1,2-Dichloropropane	ND		1000	ppb (v/v)
Bromodichloromethane	ND		1000	ppb (v/v)
cis-1,3-Dichloropropene	ND		1000	ppb (v/v)
4-Methyl-2-pentanone	ND		5000	ppb (v/v)
Toluene	ND		2500	ppb (v/v)
trans-1,3-Dichloropropene	ND		1000	ppb (v/v)
1,1,2-Trichloroethane	ND		1000	ppb (v/v)
Tetrachloroethene	ND		1000	ppb (v/v)
2-Hexanone	ND		15000	ppb (v/v)
Dibromochloromethane	ND		1000	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		1000	ppb (v/v)
Chlorobenzene	ND		1000	ppb (v/v)
Ethylbenzene	ND		1000	ppb (v/v)
Xylenes (total)	ND		1000	ppb (v/v)
Styrene	ND		1000	ppb (v/v)
Bromoform	ND		1000	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		1000	ppb (v/v)
Benzyl chloride	ND		5000	ppb (v/v)
4-Ethyltoluene	ND		1000	ppb (v/v)
1,3,5-Trimethylbenzene	ND		1000	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-049
LAB ID: 136071-0007-SA
Matrix: AIR Sampled: 01 FEB 99 Received: 01 FEB 99
Authorized: 01 FEB 99 Prepared: N/A Analyzed: 02 FEB 99
Instrument: GC/MS-B Dilution: 500

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		1000	ppb (v/v)
1,3-Dichlorobenzene	ND		1000	ppb (v/v)
1,4-Dichlorobenzene	ND		1000	ppb (v/v)
1,2-Dichlorobenzene	ND		1000	ppb (v/v)
1,2,4-Trichlorobenzene	ND		10000	ppb (v/v)
Hexachlorobutadiene	ND		2000	ppb (v/v)

ND = Not Detected

OHM Remediation Services Corp
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3326

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

219487

FORM 0019 REV. 2-97

OHM LAB COORDINATOR: Thizar Tinkut-Williams	LAB COORDINATOR'S PHONE: (949) 660-5300	LAB COORDINATOR'S FAX: (949) 475-5433	LABORATORY'S SERVICE ID: (P136077	LABORATORY CONTACT: Maria Jones	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: 18233	LABORATORY PHONE: (626) 965-1006	LABORATORY FAX:	RECIPIENT NAME: Duwayne Ishida
PROJECT CONTACT: Thizar Tinkut-Williams	PROJECT PHONE NUMBER: (949) 660-5300	PROJECT FAX: (949) 475-5433	LABORATORY ADDRESS: Quanterra		ADDRESS: 3347 Michelson Dr., Ste. 200
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: Santa Ana, CA	CLIENT: Lynn Hemeker, SW Div.	CITY, STATE AND ZIPCODE: Santa Ana, CA		CITY, STATE AND ZIPCODE: Irvine, CA
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: (949) 660-5300	PROJECT MANAGER'S FAX: (949) 475-5433			

Analyze 'A' Bag First

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	Analyses TO-14	Comments
1	18233-050	Vapor	2/2/99	0936	Ambient	2	III	24hr	X	
2	18233-051	Vapor	2/2/99	1015	Ambient	3	III	24hr	X	
3	18233-052	Vapor	2/2/99	1130	Ambient	3	III	24hr	X	
4	18233-053	Vapor	2/2/99	1340	Ambient	3	III	24hr	X	
5										
6										
7										
8										

Mary 2/2/99

SAMPLES COLLECTED BY: Linda Sulley	COURIER AND AIRBILL NUMBER			COOLER TEMPERATURE UPON RECEIPT:
RELINQUISHED BY: Linda Sulley	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project Fi[illegible] Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) 24SG47 - Amb	X		X	X
(2) 24SG47 - @ 55'	X		X	
(3) 24SG47 @ 71.5'	X		X	
(4) 24SG47 @ 94'	X		X	

Comments:

(1)-(4) SG47 at Site 24

Sample Type: G - Grab, C - Compos[illegible] [illegible]ield Sample, QC - Quality Control S[illegible]

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-050
LAB ID: 136077-0001-SA
Matrix: AIR — Sampled: 02 FEB 99 — Received: 02 FEB 99
Authorized: 02 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2		2.0	ppb (v/v)
Acetone	41		10	ppb (v/v)
Methylene chloride	2.6		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	19	F	10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	3.6	F	2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	23		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	4.1		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	9.7		2.0	ppb (v/v)
Xylenes (total)	49		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	3.5		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-050
LAB ID: 136077-0001-SA
Matrix: AIR
Authorized: 02 FEB 99
Instrument: GC/MS-B

Sampled: 02 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 02 FEB 99
Analyzed: 02 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	3.8		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name:	IT Group		
Client ID:	18233-051		
LAB ID:	136077-0002-SA		
Matrix:	AIR	Sampled: 02 FEB 99	Received: 02 FEB 99
Authorized:	02 FEB 99	Prepared: N/A	Analyzed: 03 FEB 99
Instrument:	GC/MS-B	Dilution: 5.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		10	ppb (v/v)
Chloromethane	ND		20	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		10	ppb (v/v)
Vinyl chloride	ND		10	ppb (v/v)
Bromomethane	ND		10	ppb (v/v)
Chloroethane	ND		20	ppb (v/v)
Trichlorofluoromethane	ND		10	ppb (v/v)
1,1-Dichloroethene	150		10	ppb (v/v)
Carbon disulfide	ND		50	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	130		10	ppb (v/v)
Acetone	66		50	ppb (v/v)
Methylene chloride	27		10	ppb (v/v)
trans-1,2-Dichloroethene	ND		10	ppb (v/v)
Methyl t-butyl ether	ND		50	ppb (v/v)
1,1-Dichloroethane	ND		10	ppb (v/v)
Vinyl acetate	ND		50	ppb (v/v)
cis-1,2-Dichloroethene	ND		10	ppb (v/v)
2-Butanone	ND		50	ppb (v/v)
Chloroform	58		10	ppb (v/v)
1,1,1-Trichloroethane	ND		10	ppb (v/v)
Carbon tetrachloride	ND		10	ppb (v/v)
Benzene	ND		10	ppb (v/v)
1,2-Dichloroethane	ND		10	ppb (v/v)
Trichloroethene	1100		10	ppb (v/v)
1,2-Dichloropropane	ND		10	ppb (v/v)
Bromodichloromethane	ND		10	ppb (v/v)
cis-1,3-Dichloropropene	ND		10	ppb (v/v)
4-Methyl-2-pentanone	ND		50	ppb (v/v)
Toluene	35		25	ppb (v/v)
trans-1,3-Dichloropropene	ND		10	ppb (v/v)
1,1,2-Trichloroethane	ND		10	ppb (v/v)
Tetrachloroethene	ND		10	ppb (v/v)
2-Hexanone	ND		150	ppb (v/v)
Dibromochloromethane	ND		10	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		10	ppb (v/v)
Chlorobenzene	ND		10	ppb (v/v)
Ethylbenzene	11		10	ppb (v/v)
Xylenes (total)	52		10	ppb (v/v)
Styrene	ND		10	ppb (v/v)
Bromoform	ND		10	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		10	ppb (v/v)
Benzyl chloride	ND		50	ppb (v/v)
4-Ethyltoluene	ND		10	ppb (v/v)
1,3,5-Trimethylbenzene	ND		10	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-051
LAB ID: 136077-0002-SA
Matrix: AIR
Authorized: 02 FEB 99
Instrument: GC/MS-B

Sampled: 02 FEB 99
Prepared: N/A
Dilution: 5.0

Received: 02 FEB 99
Analyzed: 03 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		10	ppb (v/v)
1,3-Dichlorobenzene	ND		10	ppb (v/v)
1,4-Dichlorobenzene	ND		10	ppb (v/v)
1,2-Dichlorobenzene	ND		10	ppb (v/v)
1,2,4-Trichlorobenzene	ND		100	ppb (v/v)
Hexachlorobutadiene	ND		20	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

lient Name: IT Group
Client ID: 18233-052
LAB ID: 136077-0003-SA
Matrix: AIR — Sampled: 02 FEB 99 — Received: 02 FEB 99
Authorized: 02 FEB 99 — Prepared: N/A — Analyzed: 02 FEB 99
Instrument: GC/MS-B — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	30		10	ppb (v/v)
Methylene chloride	2.1		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Butanone	ND		10	ppb (v/v)
loroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	3.2	F	2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	34		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	58		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	3.0		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	7.1		2.0	ppb (v/v)
Xylenes (total)	36		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	3.4		2.0	ppb (v/v)

F = Reported value estimated due to an interference.
ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-052
LAB ID: 136077-0003-SA
Matrix: AIR
Authorized: 02 FEB 99
Instrument: GC/MS-B

Sampled: 02 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 02 FEB 99
Analyzed: 02 FEB 99

Parameter	Result	Qualifier	RL	Units
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)
1,2,4-Trimethylbenzene	4.1		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-053
LAB ID: 136077-0004-SA
Matrix: AIR — Sampled: 02 FEB 99 — Received: 02 FEB 99
Authorized: 02 FEB 99 — Prepared: N/A — Analyzed: 03 FEB 99
Instrument: GC/MS-B — Dilution: 25

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		50	ppb (v/v)
Chloromethane	ND		100	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		50	ppb (v/v)
Vinyl chloride	ND		50	ppb (v/v)
Bromomethane	ND		50	ppb (v/v)
Chloroethane	ND		100	ppb (v/v)
Trichlorofluoromethane	ND		50	ppb (v/v)
1,1-Dichloroethene	3200		50	ppb (v/v)
Carbon disulfide	ND		250	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	1800		50	ppb (v/v)
Acetone	ND		250	ppb (v/v)
Methylene chloride	ND		50	ppb (v/v)
trans-1,2-Dichloroethene	ND		50	ppb (v/v)
Methyl t-butyl ether	ND		250	ppb (v/v)
1,1-Dichloroethane	ND		50	ppb (v/v)
Vinyl acetate	ND		250	ppb (v/v)
cis-1,2-Dichloroethene	ND		50	ppb (v/v)
2-Butanone	ND		250	ppb (v/v)
Chloroform	73		50	ppb (v/v)
1,1,1-Trichloroethane	ND		50	ppb (v/v)
Carbon tetrachloride	160		50	ppb (v/v)
Benzene	ND		50	ppb (v/v)
1,2-Dichloroethane	ND		50	ppb (v/v)
Trichloroethene	6400		50	ppb (v/v)
1,2-Dichloropropane	ND		50	ppb (v/v)
Bromodichloromethane	ND		50	ppb (v/v)
cis-1,3-Dichloropropene	ND		50	ppb (v/v)
4-Methyl-2-pentanone	ND		250	ppb (v/v)
Toluene	ND		120	ppb (v/v)
trans-1,3-Dichloropropene	ND		50	ppb (v/v)
1,1,2-Trichloroethane	ND		50	ppb (v/v)
Tetrachloroethene	ND		50	ppb (v/v)
2-Hexanone	ND		750	ppb (v/v)
Dibromochloromethane	ND		50	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		50	ppb (v/v)
Chlorobenzene	ND		50	ppb (v/v)
Ethylbenzene	ND		50	ppb (v/v)
Xylenes (total)	ND		50	ppb (v/v)
Styrene	ND		50	ppb (v/v)
Bromoform	ND		50	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		50	ppb (v/v)
Benzyl chloride	ND		250	ppb (v/v)
4-Ethyltoluene	ND		50	ppb (v/v)
1,3,5-Trimethylbenzene	ND		50	ppb (v/v)

= Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-053
LAB ID: 136077-0004-SA
Matrix: AIR Sampled: 02 FEB 99 Received: 02 FEB 99
Authorized: 02 FEB 99 Prepared: N/A Analyzed: 03 FEB 99
Instrument: GC/MS-B Dilution: 25

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		50	ppb (v/v)
1,3-Dichlorobenzene	ND		50	ppb (v/v)
1,4-Dichlorobenzene	ND		50	ppb (v/v)
1,2-Dichlorobenzene	ND		50	ppb (v/v)
1,2,4-Trichlorobenzene	ND		500	ppb (v/v)
Hexachlorobutadiene	ND		100	ppb (v/v)

ND = Not Detected

OHM Remediation Services Corp.
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
219489
FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Thuzar Tinhit-Williams	LAB COORDINATOR'S PHONE: (714) 666-5366	LAB COORDINATOR'S FAX: (714) 475-5133	LABORATORY SERVICE ID: Q136082	LABORATORY CONTACT: Maria Torres	MAIL REPORT (COMPANY NAME): OHM Remediation
PROJECT NAME: Soil Gas @ Site 24	PROJECT LOCATION: McAs El Toro	PROJECT NUMBER: 18233	LABORATORY PHONE: (714) 258-8616	LABORATORY FAX:	RECIPIENT NAME: Dwayne Ishida
PROJECT CONTACT: Thuzar Tinhit-Williams	PROJECT PHONE NUMBER: (714) 666-5366	PROJECT FAX: (714) 475-5133	LABORATORY ADDRESS: Quantera		ADDRESS: 3117 Michelson Dr, Ste. 200
PROJECT ADDRESS: McAs El Toro	CITY, STATE AND ZIPCODE: Santa Ana CA	CLIENT: 1111 Hawkins SW Dr	CITY, STATE, AND ZIPCODE: Santa Ana, CA		CITY, STATE, AND ZIPCODE: Irvine CA
PROJECT MANAGER: Bill Gidlak	PROJECT MANAGER'S PHONE: (714) 666-5366	PROJECT MANAGER'S FAX: (714) 475-5133			

Analyze 'A' Bag only first

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses TO-14								Comments
1	18233-054	Vapor	2/3/99	1000	Ambient	2	III	24 hr	X								
2	18233-055	Vapor	2/3/99	1030	Ambient	3	III	24 hr	X								
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	COOLER TEMPERATURE UPON RECEIPT
Linda Wiley		

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Linda Wiley	Clay Carey	2-3-99	12:15 PM	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) 24SG109-Amb	X		X	X
(2) 24SG109 @ 50'	X		X	

Comments: SG109 @ Site 24

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Volatile Organics by GCMS - EPA TO14 Modified

Client Name: IT Group
Client ID: 18233-054
LAB ID: 136082-0001-SA
Matrix: AIR — Sampled: 03 FEB 99 — Received: 03 FEB 99
Authorized: 03 FEB 99 — Prepared: N/A — Analyzed: 04 FEB 99
Instrument: GC/MS-A — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	44		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	12		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	2.3		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	49		5.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	2.7		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	12		2.0	ppb (v/v)
Xylenes (total)	64		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	5.2		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-054
LAB ID: 136082-0001-SA
Matrix: AIR
Authorized: 03 FEB 99
Instrument: GC/MS-A

Sampled: 03 FEB 99
Prepared: N/A
Dilution: 1.0

Received: 03 FEB 99
Analyzed: 04 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	5.1		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified

Client Name:	IT Group		
Client ID:	18233-055		
LAB ID:	136082-0002-SA		
Matrix:	AIR	Sampled: 03 FEB 99	Received: 03 FEB 99
Authorized:	03 FEB 99	Prepared: N/A	Analyzed: 04 FEB 99
Instrument:	GC/MS-A	Dilution: 5.0	

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		10	ppb (v/v)
Chloromethane	ND		20	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		10	ppb (v/v)
Vinyl chloride	ND		10	ppb (v/v)
Bromomethane	ND		10	ppb (v/v)
Chloroethane	ND		20	ppb (v/v)
Trichlorofluoromethane	ND		10	ppb (v/v)
1,1-Dichloroethene	100		10	ppb (v/v)
Carbon disulfide	ND		50	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	1500		10	ppb (v/v)
Acetone	ND		50	ppb (v/v)
Methylene chloride	ND		10	ppb (v/v)
trans-1,2-Dichloroethene	ND		10	ppb (v/v)
Methyl t-butyl ether	ND		50	ppb (v/v)
1,1-Dichloroethane	ND		10	ppb (v/v)
Vinyl acetate	ND		50	ppb (v/v)
cis-1,2-Dichloroethene	ND		10	ppb (v/v)
2-Butanone	ND		50	ppb (v/v)
Chloroform	ND		10	ppb (v/v)
1,1,1-Trichloroethane	ND		10	ppb (v/v)
Carbon tetrachloride	ND		10	ppb (v/v)
Benzene	ND		10	ppb (v/v)
1,2-Dichloroethane	ND		10	ppb (v/v)
Trichloroethene	22		10	ppb (v/v)
1,2-Dichloropropane	ND		10	ppb (v/v)
Bromodichloromethane	ND		10	ppb (v/v)
cis-1,3-Dichloropropene	ND		10	ppb (v/v)
4-Methyl-2-pentanone	ND		50	ppb (v/v)
Toluene	ND		25	ppb (v/v)
trans-1,3-Dichloropropene	ND		10	ppb (v/v)
1,1,2-Trichloroethane	ND		10	ppb (v/v)
Tetrachloroethene	ND		10	ppb (v/v)
2-Hexanone	ND		150	ppb (v/v)
Dibromochloromethane	ND		10	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		10	ppb (v/v)
Chlorobenzene	ND		10	ppb (v/v)
Ethylbenzene	ND		10	ppb (v/v)
Xylenes (total)	23		10	ppb (v/v)
Styrene	ND		10	ppb (v/v)
Bromoform	ND		10	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		10	ppb (v/v)
Benzyl chloride	ND		50	ppb (v/v)
4-Ethyltoluene	ND		10	ppb (v/v)
1,3,5-Trimethylbenzene	ND		10	ppb (v/v)

ND = Not Detected

Volatile Organics by GCMS - EPA TO14 Modified (cont.)

Client Name: IT Group
Client ID: 18233-055
LAB ID: 136082-0002-SA
Matrix: AIR
Authorized: 03 FEB 99
Instrument: GC/MS-A

Sampled: 03 FEB 99
Prepared: N/A
Dilution: 5.0

Received: 03 FEB 99
Analyzed: 04 FEB 99

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		10	ppb (v/v)
1,3-Dichlorobenzene	ND		10	ppb (v/v)
1,4-Dichlorobenzene	ND		10	ppb (v/v)
1,2-Dichlorobenzene	ND		10	ppb (v/v)
1,2,4-Trichlorobenzene	ND		100	ppb (v/v)
Hexachlorobutadiene	ND		20	ppb (v/v)

= Not Detected

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

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San Diego, California 92132-5101

Date: 26-Feb-99

D.O.: 65

Location: MCAS EL TORO

FROM: Stewart Bornhoft, Program Manager

Edwin G. Bond, Contracts Manager

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TYPE: Contract Deliverable ( ) ($) D. O. Deliverable (X) (Tech) Request for Change ( ) Other ( )

VERSION: N/A **REVISION:** 0

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~~Nars Ancog, QAO, 5722NA~~	~~SWDIV~~	~~1C/1E~~	~~1~~	~~B~~	For SAPs/QAPPs only
LYNN HORNECKER	SWDIV	1C/1E			
Pat Brooks	Bechtel	1C/1E			By Irvine

(Place * next to name and code indicating copies that were sent direct)

REMARKS: _____

OHM Remediation Services Corp.
A Member of The IT Group

February 23 , 1999

Ms. Bozier H. Demaree, Code 02R.BD
Contracting Officer
Naval Facilities Engineering Command
Southwest Division
1220 Pacific Highway
San Diego, CA 92132-5187

Attention: Ms. Lynn Hornecker, 5BME.LMH

Subject: Transmittal of SVE Data For SVE5 and SVE12 Pilot Tests
Contract N68711-93-D-1459, Delivery Order 065,
Removal and Remedial Actions at IRP Sites, MCAS El Toro, California

Dear Ms. Hornecker:

Attached is a copy of the data from the March 1998 pilot test at 24SVE5 and December 1997 data from the pilot test at 24SVE12. This data is the material which was requested by Pat Brooks to complete his work on the subject. Because I was not certain if you received this material previously (since Pat was not able to find his copy) I am sending this package to you as well.

A copy has been sent directly to Pat Brooks to complete his data set on the pilot tests.

If you have any questions or need additional copies of the data, please let me know.

Sincerely,

William Sedlak
Sr. Project Manager

cc: Lucreatria Holloway, SWDIV, COTR (1C/1E)
Pat Brooks, Bechtel National, Inc. (1C/1E)
OHM PMO File (1C/1E)
Project File, Correspondence B.01

3347 Michelson Drive, Suite 200 ● Irvine, California 92612-1692 ● 949.261.6441 ● Fax: 949.474.8309

OHM Remediation Services Corp.

a member of the igroup

MEMO

2031 Main Street, Irvine, Ca 92714

TO: **Bill Sedlak**

FROM: **Fran Torres**
DATE: **22 February 1999**
CC:
RE: **Data requested for SVE-5 and SVE-12**

Bill
Attached is the field data, CQC Reports, and analytical data you requested for wells SVE-5 and SVE-12 which were tested during 1997 and 1998.

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/10/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #202**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues

INITIAL			Test Performed and Who Performed Test
	Preliminary Work Was Done Correctly	Y	
	Sample Has Been Prepared (Approved)	N/A	OHM collected vapor samples in accordance with the Tech. Memorandum protocol for this project.
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	

FOLLOW-UP			0	
	Work Complies With Contracts As Approved In Initial Phase	Y	**24SVE- 5 Morning Test Data:**	**24SVE- 5 Afternoon Test Data:**
	Site 24 SVE Pilot Test:		Time :1015	Time :1430
	The SVE system and carbon cannister (6) were relocated to Bldg 315.		Well vacuum = 90" w.c.	Well vacuum = 25" w.c.
	The SVE system electrical was hard wired to Bldg 315 junction box.		Flowrate = 32 scfm	Flowrate = 30 scfm
	The system startup commenced at approximately 0900. The system vacuum was tuned and startup sampling began at approximately 1000.		Influent PID Reading = nr ppm	Influent PID Reading = nr ppm
	Additional vapor samples were collected at 1400 and relinquished to Quanterra on a COC.		Influent FID Reading = nr ppm	Influent FID Reading = nr ppm
	The removal of DRMO equipment is in process.		Time :1030	
			Well vacuum = 60" w.c.	
			Flowrate = 28 scfm	
			Influent PID Reading = nr ppm	
			Influent FID Reading = nr ppm	

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

Carbon cannister #1 & #2 are stored at Site 24 in preparation for sampling and profiling (PureEffect).

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/11/98

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

OHM Remediation Services Corp.

COMPUTATION SHEET

Form No. 0048
Midwest Tech. Servs.
Rev. 08/89

Page ____ of ____

Proj. No.	Client	Location	Subject

Preparer's Initials	Date	Reviewer's Initials	Date	Approver's Initials	Date

90" VAC
32 SCFM } AT well 1015

60"
28 } AT well 1030

25" WC 1430
30 SCFM
5" Hg SVE Sucker VAC
9" Hg Blower VAC

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/11/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #203**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	N/A
	Work is in Compliance With the Contract	Y	
FOLLOW-UP	Work Complies With Contracts As Approved In Initial Phase	Y	0

Site 24 SVE Pilot Test:

Conducted testing at SVE-5 for vacuum and flowrate.
Ambient temperature recorded at 88F
PID radings were recorded at the effluent of carbon vessels

CAN I.D.	PID Reading
DO75-203	PID= 0 ppm
DO75-204	PID= 0 ppm
DO75-205	PID= 0 ppm
DO75-206	PID= 0 ppm

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time = 0920	Time =
Wellhead Vacuum = 5 in. Hg	Wellhead Vacuum = in. w.c.
Line Temperature = 73.7 F	Line Temperature = F
Flow Rate = 34 scfm	Flow Rate = scfm
Blower Exit Temp. = F	Blower Exit Temp. = F
Influent PID Reading = 3.6 ppm	Influent PID Reading = nr ppm
Influent FID Reading = nr ppm	Influent FID Reading = ppm

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/12/98

GOVERNMENT QUALITY ASSURANCE REPORT

ty Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

OHM
SYSTEM MONITORING LOG

Date: 03-11-98

Job # 18708 D.O. # 65 W.B.S. 1302321 Site. SVE 5
Name: D065 Arrival Time: 0920 Departure Time: 0955

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : NA Electrical Meter : Leaks : (No) Yes SVE hrs: NA
If Yes Describe Leak :
Was leak repaired ?
Control Temp : Operating Temp : 73.7°F in/out L.E.L. Display :
Ambient Temperature 88.0°F

	FID		PID		LEL		VAC	FLOW
	Inff. ppm	Eff. ppm	Inff. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System								
Well #								
SVE 5			3.6 ppm	0.0 ppm			5" Hg	34 scfm

Dilution Air Open : 5% or less Any System Maintenance ? Yes (No)
Explain Maintenance :

Any System Changes ? Yes (No)
Explain System Changes:

Comments : Time: 0925 hours for "Hg + scfm.
PID reads 0.0 ppm for canisters 203, 204, 205, + 206

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/12/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #204**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	N/A
	Work is in Compliance With the Contract	Y	
FOLLOW-UP	Work Complies With Contracts As Approved In Initial Phase	Y	0

Site 24 SVE Pilot Test:

Conducted testing at SVE-5 for vacuum and flowrate.
Ambient temperature recorded at 62.4F

The removal of spent carbon for cannister DO65-201/202 was coordinated and scheduled for 3/13/98.
Virgin carbon will be installed in vessels DO65-201/202 on 3/13/98.

The site was cleared of trash and debris.

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time = 0815	Time =
Wellhead Vacuum = 5 in. Hg	Wellhead Vacuum = in. w.c.
Line Temperature = 61.7 F	Line Temperature = F
Flow Rate = 35 scfm	Flow Rate = scfm
Blower Exit Temp. = F	Blower Exit Temp. = F
Influent PID Reading = 296 ppm	Influent PID Reading = nr ppm
Influent FID Reading = 0 ppm	Influent FID Reading = ppm
Influent LEL Reading = 4 %	

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/12/98

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

OHM
SYSTEM MONITORING LOG

Date: 3/12/98

Job # D.O. # 65 W.B.S. Site. 24SVE5
Name: Arrival Time: 0815 Departure Time:

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : NA Electrical Meter : Leaks (No) Yes SVE hrs: NA
If Yes Describe Leak :
Was leak repaired ?
Control Temp : 62.4°F ambient Operating Temp : 61.7°F in/out L.E.L. Display : 0% 20.9 O_2 0 CO_2

	FID		PID		LEL/influent		VAC	FLOW
	Inff. ppm	Eff. ppm	Inff. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System	~~296 ppm~~ 0p		296ppm	0ppm	4%	20.1	5" Hg	35scfm
Well # 5	0ppm	0ppm						

Dilution Air Open : 5 % or less Any System Maintenance ? Yes (No)
Explain Maintenance :

Any System Changes ? Yes (No)
Explain System Changes:

Comments : 10" H_2O

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/13/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #205**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues

INITIAL			Test Performed and Who Performed Test
	Preliminary Work Was Done Correctly	Y	
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	N/A
	Work is in Compliance With the Contract	Y	

FOLLOW-UP			0	
	Work Complies With Contracts As Approved In Initial Phase	Y	**24SVE-5 Morning Test Data:**	**24SVE- 5 Afternoon Test Data:**
	Site 24 SVE Pilot Test:		Time =	Time =
	No data was collected for SVE-5 today.		Wellhead Vacuum = in. w.c.	Wellhead Vacuum = in. w.c.
			Line Temperature = F	Line Temperature = F
	The spent carbon was removed from cannister DO65/111-202 and was placed in bags.		Flow Rate = scfm	Flow Rate = scfm
	The bags of carbon were stored temporarily at Site 24.		Blower Exit Temp. = F	Blower Exit Temp. = F
	PureEffect replaced the spent carbon with virgin carbon in vessel DO65/111-202.		Influent PID Reading = ppm	Influent PID Reading = nr ppm
	Three carbon samples were collected by OHM to represent the top, middle and bottom of the carbon cannister. The lab was instructed to composite the samples and provide a 5 day turnaround for analytical results.		Influent FID Reading = 0 ppm	Influent FID Reading = ppm
	The site was cleared of trash/ debris and secured.		Influent LEL Reading = %	

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/16/98

GOVERNMENT QUALITY ASSURANCE REPORT

ity Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/16/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #206**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues

INITIAL			Test Performed and Who Performed Test
	Preliminary Work Was Done Correctly	Y	
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	N/A
	Work is in Compliance With the Contract	Y	

FOLLOW-UP			0	
	Work Complies With Contracts As Approved In Initial Phase	Y	**24SVE-5 Morning Test Data:**	**24SVE- 5 Afternoon Test Data:**
	Site 24 SVE Pilot Test:		Time = 10:00	Time =
	Test continued for vacuum and flowrate at SVE-5. The system has remained operational for 1 week at this well. The effluent and influent vapors will be sampled tomorrow 3/17/98.		Wellhead Vacuum = 15 in. w.c.	Wellhead Vacuum = in. w.c.
	Ambient temperature was recorded at 55.2 F		Line Temperature = 59.6 F	Line Temperature = F
	One full bag and one partial bag of carbon is stored temporarily at Site 24.		Flow Rate = 36 scfm	Flow Rate = scfm
			Blower Exit Temp. = F	Blower Exit Temp. = F
	PureEffect will utilize existing profiles with Carbon Sales & Service for non-hazardous carbon and Envirotrol for any carbon characterized as hazardous.		Influent PID Reading = 6.2 ppm	Influent PID Reading = nr ppm
	The system was operational upon departure.		Influent FID Reading = 52.60 pp	Influent FID Reading = ppm
	The site was cleared of trash/ debris and secured.			

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

5802

Authorized QC Manager At Site

3/17/98

Date

GOVERNMENT QUALITY ASSURANCE REPORT

ity Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative

Date

OHM
SYSTEM MONITORING LOG

Date: 03-16-98

Job # D.O. # W.B.S. Site: 24
Name: Arrival Time: Departure Time:

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : Electrical Meter : Vacuum? Leaks (No) Yes SVE hrs: NA
If Yes Describe Leak :
Was leak repaired ?
Control Temp : 55.2°F ambient Operating Temp : 59.6°F in/out L.E.L. Display :

	FID		PID		LEL		VAC	FLOW
	Inff. ppm	Eff. ppm	Inff. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System								
Well #								
24SVES	52.6 ppm	0.0 ppm	6.2 ppm	0.0 ppm			4.3" Hg	36 scfm
	"H_2O							
24SVE5A	0.9 "wc							
24SVE 11A	0.06 "wc							
24SVE 11	*0.06 "wc							
24SVE 10	3.7 "wc							
24SVE 09	0.09 "wc							
24SVE 9A	0.04 wc							

* Positive pressure

Dilution Air Open : 5% or less Any System Maintenance ? (Yes) No
Explain Maintenance :
Refer below.

Any System Changes ? (Yes) No
Explain System Changes:
Δ capsuhelic out for 0-50 magnehelic.
15" of H_2O at time of replacement

Comments :

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/17/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #207**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues

INITIAL			Test Performed and Who Performed Test
	Preliminary Work Was Done Correctly	Y	
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	3 vapor samples were collected by M. Banuelos.
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	

FOLLOW-			0	
	Work Complies With Contracts As Approved In Initial Phase	Y	**24SVE-5 Morning Test Data:**	**24SVE- 5 Afternoon Test Data:**
	Site 24 SVE Pilot Test:		Time = 0900	Time =
	Test continued for vacuum and flowrate at SVE-5.		Wellhead Vacuum = 80 in. w.c.	Wellhead Vacuum = in. w.c.
	The system has remained operational for 1 week at this well. Vapor samples were collected.		Line Temperature = 64.2 F	Line Temperature = F
	Ambient temperature was recorded at 69.5 F		Flow Rate = 110 scfm	Flow Rate = scfm
	The vacuum gage was changed to verify operability. The rotometer was also changed from 0-100 scfm to 10-250 scfm.		Blower Exit Temp. = F	Blower Exit Temp. = F
	One full bag and one partial bag of carbon is stored temporarily at Site 24. Analytical results are anticipated on Friday, 3/20/98.		Influent PID Reading = 0 ppm	Influent PID Reading = nr ppm
	The system was operational upon departure. The site was secured prior to departure.		Influent FID Reading = 65.9 ppm	Influent FID Reading = ppm

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/18/98

GOVERNMENT QUALITY ASSURANCE REPORT

ty Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

OHM
SYSTEM MONITORING LOG

Date: 03/17/98

Job # D.O. # 65 W.B.S. Site: 24
Name: Arrival Time: 0900 Departure Time:

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : NA Electrical Meter : NA Leaks : (No) Yes SVE hrs: NA
If Yes Describe Leak :
Was leak repaired ?
Control Temp : 69.5 °F ambient Operating Temp 64.2°F in/out L.E.L. Display : LEL Not functioning proper open air 3% LEL 19.5% O2

	FID		PID		LEL		VAC	FLOW
	Inff. ppm	Eff. ppm	Inff. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System					NA	NA		
Well #								
24SVE5	165.9 ppm	0.0 ppm	0.0 ppm	0.0 ppm			4.8" Hg	38 scfm
					Vacuum " H_2O			
Flowmeter and magnehelic changed @				0910	80" H_2O		9.2" Hg	110 scfm
		Results @		0915	80" H_2O		9.1" Hg	110 scfm
				0920	80" H_2O		9.1" Hg	110 scfm
				0925	80" H_2O		9.1" Hg	110 scfm
				0930	80" H_2O		9.1" Hg	110 scfm
				0935	80" H_2O		9.1" Hg	110 scfm
				0940	80" H_2O		9.1" Hg	110 scfm
Radius of influence								
24SVE5A	1.75" w.c.							
24SVE11								
24SVE11A								
24SVE10								
24SVE9								
24SVE9A								

Dilution Air Open : 25 % Any System Maintenance ? Yes No
Explain Maintenance :

Any System Changes ? (Yes) No
Explain System Changes:
D flowmeter and magnehelic to 0-200 scfm and 0-100" w.c.

Comments :

gabsve

TD = 56

SVE RETEST	Well 24SVE5A	58.5 / 41.5/56.5			Remote Wells			24SVE5	24SVE10	24SVE8	24SVE9A	24SVE11	24SVE11A	* Denotes positive Reading
Well Depth	Screened Interval	Casing dia. 2"	Applied Vacuum	VAC Pump	Casing Info.			105 / 68/88	109 / 77/101	111 / 81/111	85 / 55/85	109 / 79/109	73 / 43/73	
Date	Time	Well No.	in. W.C.	in. Hg.	Flowrate	PID in/Eff	Temp.	in. W.C.	in. W.C.	in. W.C.	in. W.C.	in. W.C.	in. W.C.	Comments
		SVE5A												Initial remote well reading
3-17-98	1800	"	80 20	8.2		3.8		.45"	NA	.20"	.10"	.10"	*.20"	
	1810	"	80 20	8.2		3.4		.45"	NA	.20"	.10"	.20"	*.10"	
	1820	"	80 20	8.2		3.4		.45"	NA	.21"	.10"	.20"	*.10"	
	1830	"	80 20	8.2		3.8		.45"	NA	.23"	.10"	.20"	*.10"	
	1840	"	80 20	8.2		3.5		.45"	NA	.24"	.10"	.20"	*.10"	
	1850	"	80 20	8.2		3.7		.45"	NA	.25"	.10"	.20"	*.10"	
	1900	"	90 20	9		3.7		.45"	NA	.25"	.10"	.20"	*.10"	
	1910	"	90 20	9		3.3		.45"	NA	.25"	.10"	.18"	*.10"	
	1920	"	90 20	9		3.2		.43"	NA	.25"	.10"	.18"	*.12"	
	1930	"	90 20	9		3.1		.41"	NA	.25"	.10"	.15"	*.15"	
	1940	"	90 20	9		2.8		.40"	NA	.25"	.10"	.16"	*.18"	
	1950	"	90 20	9		2.8		.40"	NA	.20"	.10"	.15"	*.20"	
	2000	"	100 20	9.8		2.5		.45"	NA	.15"	.10"	.18"	*.22"	
	2010	"	100 20	9.8		2.6		.45"	NA	.10"	.10"	.20	*.25"	
	2020	"	100 20	9.8		2.6		.45"	NA	.05"	.10"	.23	*.25"	
	2030	"	100 20	9.8		2.5		.45"	NA	.05"	.10"	.25"	*.25"	
	2040	"	100 20	9.8		2.5		.45"	NA	.10	.10"	.25"	*.27"	
	2050	"	100 20	9.8		2.7		.47"	NA	.15	.10"	.25"	*.25"	
	2100	Max.	100 20	9.8		2.9		.50"	NA	.22	.10"	.25"	*.28"	
	2110	Max.	100 20	9.8		2.8		.53	NA	.25	.10"	.25"	*.30"	
	2120	Max.	100 20	9.8		2.9		.55	NA	.25"	.10"	.25"	*.31"	
	2130	Max.	100 20	9.8		2.9		.60"	NA	.25"	.10"	.25"	*.30"	
	2140	Max.	100 20	9.8		2.9		.62"	NA	.25"	.10"	.25"	.25"	
	2150	Max.	100 20	9.8		3.0		.60"	NA	.25"	.10"	.25"	.30"	
	2200	Max.	100 20	9.8		2.9		.60"	NA	.24"	.10"	.25"	.30"	

TD = 88.10

SV[illegible] TEST	Well 24SVE5	88 / 88/88			Remote Wells			[illegible]VE5A	24SVE10	24SVE9	24SVE9A	24SVE11	24SV11A	* Denotes positive Reading
[redacted]	Water depth: 12.0/18	Casing dia. 2"	Applied Vacuum	VAC Pump	Casing Info.			58.5 / 41.5/56.5	109 / 77/110	111 / 81/111	85 / 55/85	109 / 79/109	73 / 43/73	
Date	Time	Well No.	in. W.C.	in. Hg.	Flowrate	PID In/Eff	Temp.	in. W.C.	in. W.C.	in. W.C.	in. W.C.	in. W.C.	in. W.C.	Comments
		SVE5												Initial remote well reading
3-17-98	1300	"	20	5.8	33	Ø	65	.95"	NA	6"	36"	Ø	Ø	
	1310	"	20	5.8	33	Ø	65	.95"	NA	6"	36"	Ø	Ø	
	1320	"	20	5.8	33	Ø	65	.90"	NA	6"	36"	Ø	Ø	
	1330	"	20	5.8	33	Ø	65	.85"	NA	6"	36"	Ø	Ø	
	1340	"	20	5.8	33	Ø	65	.85"	NA	6"	36"	Ø	Ø	
	1350	"	20	5.8	33	Ø	65	.85"	NA	6"	36"	Ø	Ø	
	1400	"	40	6.8	65	Ø	63	1.10	NA	6"	36"	Ø	Ø	
	1410	"	40	6.8	65	Ø	65	1.15	NA	6"	36"	Ø	Ø	
	1420	"	40	6.8	65	Ø	65	1.20	NA	6"	36"	Ø	Ø	
	1430	"	40	6.8	65	Ø	65	1.20	NA	6"	36"	Ø	*.25	
	1440	"	40	6.8	65	Ø	65	1.20	NA	6"	36"	Ø	*.25	
	1450	"	40	6.8	65	Ø	65	1.20	NA	6"	36"	Ø	*.25	
	1500	"	60	8	100	Ø	67	1.45	NA	6"	36"	Ø	*.20	
	1510	"	60	8	100	Ø	67	1.50	NA	6"	36"	Ø	*.20	
	1520	"	60	8	100	Ø	67	1.55	NA	6"	36"	Ø	*.20	
	1530	"	60	8	100	Ø	67	1.60	NA	6"	36"	Ø	*.20	
	1540	"	60	8	100	Ø	67	1.60	NA	6"	36"	Ø	*.20	
	1550	"	60	8	100	Ø	67	1.60	NA	6"	36"	Ø	*.20	
	1600	Max.	138 94	9.8	145	Ø	64	1.75	NA	6"	36"	.10	*.20	
	1610	Max.	138	9.8	148	Ø	64	1.80	NA	6"	36"	.10	*.20	
	1620	Max.	138	9.8	150	Ø	64	1.90	NA	6"	36"	.10	*.20	
	1630	Max.	138	9.8	150	Ø	64	1.95	NA	6"	36"	.10	*.20	
	1640	Max.	138	9.8	150	Ø	64	2.0	NA	6"	36"	.10	*.20	
	1650	Max.	138	9.8	152	Ø	64	2.0	NA	8"	4"	.10	*.20	
	1700	Max.	138	9.5	155	Ø	64	2.0	NA	10"	5"	.10	*.20	

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/18/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #208**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	3 vapor samples were collected by M. Banuelos.
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-UP	Work Complies With Contracts As Approved In Initial Phase	Y	0

Site 24 SVE Pilot Test:

Test continued for vacuum and flowrate at SVE-5/5A.

Ambient temperature was recorded at 69.5 F

One full bag and one partial bag of carbon were transported from Site 24 to the storage area at the ERP.

The system was operational upon departure.

24SVE-5 Morning Test Data:	24SVE-5A Afternoon Test Data
Time =	Time = 1700
Wellhead Vacuum = in. w.c.	Wellhead Vacuum = 80 in. w.c.
Line Temperature = F	Line Temperature = F
	System Vacuum = 9.2 in. Hg
Flow Rate = scfm	Flow Rate = 165 scfm
Blower Exit Temp. = nr F	Blower Exit Temp. = 150 F
Influent PID Reading = ppm	Influent PID Reading = nr ppm
Influent FID Reading = ppm	Influent FID Reading = nr ppm

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/19/98

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

OHM
SYSTEM MONITORING LOG

Date: 03/18/98

Job # Name: D.O. # 65 Arrival Time: ____ W.B.S. Departure Time: ____ Site: 24

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : NA Electrical Meter : NA Leaks : No Yes
If Yes Describe Leak :
Was leak repaired ?
Control Temp : Operating Temp : in out L.E.L. Display :

SVE hrs: NA

	FID		PID		LEL		VAC	FLOW
	Inff. ppm	Eff. ppm	Inff. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System							9.2	165
Well #								
24SVE5A								

Dilution Air Open : % Any System Maintenance ? (Yes) No
Explain Maintenance:
gauged wells. 24SVE 5A = 56' running at 24SVE 5A at 09:15
24 SVE 5 = 88'

Any System Changes ? Yes No
Explain System Changes:

Comments :
In. H_2O = 80"
Effluent temp = 150° F

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/19/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #214**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-U	Work Complies With Contracts As Approved In Initial Phase	Y	

Site 24 SVE Pilot Test:

The SVE system was operational on SVE-5A upon arrival;

Ambient temperature was recorded at 68.7 F

The SVE system was shutdown from 0945 until 1020 to retape/silicon the pipe and instrument fittings. The SVE system and associated piping from well SVE-5 were checked for leaks.

The system was restarted on SVE-5 at 1045 and data was collected for SVE-5. Vacuum response data was collected for monitoring wells (SVE-5A, SVE-10, SVE-9/9A, SVE-11/11A) for approximately 4 hours. (See attached data sheet)

The system was operational at SVE-5 upon departure.

24SVE-5A Morning Test Data:	24SVE- 5 Afternoon Test Data:
Time = 0845	See attached
Wellhead Vacuum = 77 in. w.c.	
Line Temperature = 63.5 F	
Flow Rate = 170 scfm	
Blower Exit Temp. = nr F	
Influent PID Reading = 6.5 ppm	
Influent FID Reading = ppm	

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/20/98

GOVERNMENT QUALITY ASSURANCE REPORT

.y Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

SVE TEST	Well 24SVE5	88 / 68/88				Remote Wells			VE5A	24SVE10	24SVE9	24SVE9A	24SVE11	24SV11A	* Denotes positive Reading
Total depth 88.30'	Water depth 88.10'	Casing dia. 2"	Applied Vacuum	VAC Pump	Casing info.				56.5 / 41.5/56.5	109 / 77/110	111 / 81/111	85 / 55/85	109 / 79/109	73 / 43/73	
Date	Time	Well No.	In. W.C.	In. Hg.	Flowrate	PID In/Eff	Temp.		In. W.C.	In. W.C.	In. W.C.	In. W.C.	In. W.C.	In. W.C.	Comments
03-19-98	1048 Hours	SVE5	-	-	-	-	-		0.25"	3.6"	0.15"	0.07"	*0.07"	0.07"	Initial remote well reading
	~~0800~~ 1100 Hours		20	4.6"	0scfm		78.8°								
	1110 Hours		20	5.2"	0scfm		79.2°		0.25"	3.6"	0.12"	0.06	*0.06	0.06"	
	1120 Hours		20	5.1"	0scfm		79.7°								
	1130 Hours		20	5.0"	0scfm		80.6°								
	1140 Hours		20	5.0"	0scfm		80.3°		0.225"	3.6"	0.09"	0.04"	*0.04"	0.00"	
	1150 Hours		20	5.0"	0scfm	C	77.6°								Pid 1ppm/out 0ppm/0ppm
	1200 Hours		40	6.2"	3scfm		77.1°								
	1210 Hours		40	6.2"	3scfm		77.7°		0.22"	3.55"	0.03"	0.01"	*0.04"	*0.04"	
	1220 Hours		40	6.2"	3scfm		77.6°								
	1230 Hours		40	6.2"	3scfm		76.4°								
	1240 Hours		40	6.2"	3scfm		76.5°		0.215"	3.55"	*0.025"	*0.02"	*0.11"	*0.04"	double checked to verify △
	1250 Hours		40	6.2"	3scfm	C	77.4°						~~*0.14"~~	~~*0.05"~~	Pid 1ppm/out 0ppm/0ppm
	1300 Hours		60	7.2"	5.5scfm		76.6°		0.19"	3.6"	*0.09"	*0.04"	*0.14"	*0.05"	readings taken at 1310 Hours.
	1310 Hours		60	7.2"	6scfm		76.4°								
	1320 Hours		60	7.2"	6scfm		76.4°								
	1330 Hours		60	7.3"	6scfm		76.7°								
	1340 Hours		60	7.3"	6scfm		77.1°		0.19"	DP 3.6"	*0.07"	*0.04"	*0.05"	*DP ~~0.05~~	*0.17" double checked to verify △
	1350 Hours		60	7.3"	6scfm	C	76.6°								pid 1ppm/out 0ppm/0ppm Wind may affect magnetic
	1400 Hours	Max.	110" wc	10"	12scfm		75.9°		DP ~~0.25"~~						
	1410 Hours	Max.	108" wc	10"	12scfm		75.8°		0.23	3.6"	*0.06	*0.03	*0.03"	*0.15"	
	1420 Hours	Max.	105" wc	9.9"	12scfm		77.0°								
	1430 Hours	Max.	106" wc	9.9"	12scfm		76.8°								
	1440 Hours	Max.	106" wc	10.0"	12.5scfm		76.8°								Double checked to verify △
	1450 Hours	Max.	103" wc	9.9"	14scfm		76.8°		0.4"	3.7"	0.01	*0.01	*0.04	*0.08	Gino, do you have a mag. gage 0-150 "H20? ✓
	1500 Hours	Max.	100" wc	9.9"	~~16scfm~~ 14scfm	C	76.8°								End of Test
															pid 1ppm/out 0ppm/0ppm

*-Denotes positive pressure C-see comments

INTERNATIONAL TECHNOLOGY CORPORATION

By _____ Date 3/19/98 Subject DO 65 / 18708 Sheet No. ____ of ____

Chkd. By ____ Date _____ Proj. No. _____

0800 D magnehelic 0-100 to 0-150 carsonhelic, retaped fittings ✓ for leaks
0845 Temp. ambient - 68.7°F Temp. well - 63.5°F
0850 Flow scfm - 170 9.2" Hg applied
0850 Well vacuum - 77" w.c.

SVE 5A

	PID influent	PID effluent
0855	1st reading - 2000 ppm ?	0.0 ppm
0915	2nd reading - 1681 ppm ?	
0935	3rd reading - 6.5 ppm	< used new PID

0945 shutdown to silicon fittings, switch to well 5 and take base radius of influence measurements
1020 start up to ✓ for leaks
1035 no leaks tested

108-10-85

		WELL		
3/17	TUES	1800	SVE SA.	13 HRS
	SVE ON ALL NITE			
3/18	WED	00730	SVE SA	
		Sounding	WELLS	
		0830		
	ON ALL NITE			
3/19	THURS	~~1035~~ 0945	SVE SA	26 HR.
		~~1045~~	SVE S	
		0945		
3/20	FRI		SVE S	

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/20/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #21**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-UP	Work Complies With Contracts As Approved In Initial Phase	Y	

Site 24 SVE Pilot Test:

The SVE system was operational on SVE-5 upon arrival;

The site was secured and reviewed for possible FOD/debris.

The system was operational at SVE-5 upon departure.

Russel Crane arrived on site at 1300 to review the DRMO equipment scheduled for 3/26/98.

Analytical results of the carbon samples collected from carbon vessels DO65/111-201 and DO65/111-202 on 3/13/98 were received. Results indicated TCE concentration of 3700ppm for DO65/111-201. (2040 ppm = State Total limit)

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time = 1400	
Wellhead Vacuum = 100 in. w.c.	
Line Temperature = nr F	
Flow Rate = 11 scfm	
Blower Exit Temp. = nr F	
Influent PID Reading = nr ppm	
Influent FID Reading = ppm	

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/23/98

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/23/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #216**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-UP	Work Complies With Contracts As Approved In Initial Phase	Y	

Site 24 SVE Pilot Test:

The SVE system was operational on SVE-5 upon arrival;

The system was checked throughout the day and data was collected at the beginning and end of the day.

Carbon samples of vessel DO65/111-201 were submitted for TCLP analysis on 3/20/98.

The system was operational at SVE-5 upon departure at 1555.

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time = 0715	Time = 1545
Wellhead Vacuum = 100 in. w.c.	Wellhead Vacuum = 100 in. w.c.
Line Temperature = nr F	Line Temperature = nr F
Flow Rate = 10 scfm	Flow Rate = 8 scfm
Blower Exit Temp. = nr F	Blower Exit Temp. = 150 F
Influent PID Reading = nr ppm	Influent PID Reading = nr ppm
Influent FID Reading = ppm	Influent FID Reading = 3.2 ppm
System Vacuum = 10 in. Hg	System Vacuum = 9.5 in. Hg

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

5802

Authorized QC Manager At Site

3/24/98

Date

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative

Date

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/24/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #217**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	M Banuelos collected vapor samples from the SVE sy.
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-U.	Work Complies With Contracts As Approved In Initial Phase	Y	

Site 24 SVE Pilot Test:

The SVE system was operational on SVE-5 upon arrival;

The weekly vapor samples were collected from the SVE system.
Samples were collected from the influent, effluent and ambient.
The system was checked throughout the day and data was collected at the end of the day.

The system was operational at SVE-5 upon departure at 1330.
The crane and trucking contractors were called to confirm the time/date for removal of equipment within the ERP to DRMO Yard #3.

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time = 0745	Time = 1300
Wellhead Vacuum = 103 in. w.c.	Wellhead Vacuum = 105 in. w.c.
Line Temperature = 57.7 F	Line Temperature = nr F
Flow Rate = 8 scfm	Flow Rate = 8 scfm
Blower Exit Temp. = nr F	Blower Exit Temp. = F
Influent PID Reading = 11.4 ppm	Influent PID Reading = nr ppm
Influent FID Reading = 11.7ppm	Influent FID Reading = nr ppm
System Vacuum =9.6 in. Hg	System Vacuum = 9.5 in. Hg

Rework Items Identified Today (Not Corrected by Close of Business)

Rework Items Corrected Today (From Rework Items List)

N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

5802

Authorized QC Manager At Site

3/25/98

Date

GOVERNMENT QUALITY ASSURANCE REPORT

ity Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative

Date

OHM
SYSTEM MONITORING LOG

Date: 03-24-98

Job # D.O. # 65 W.H.S. Site. 24
Name: Arrival Time: 0745 Departure Time: 0755

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : NA Electrical Meter : NA Leaks : (No) Yes None noticed
If Yes Describe Leak :
Was leak repaired ?
Control Temp : 59.1 °F ambient Operating Temp : 57.7°F in / out @ wellhead L.E.L. Display :

SVE hrs: NA

	FID		PID		LEL		VAC	FLOW
	Inlf. ppm	Eff. ppm	Inlf. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System Well #								
24SVE 5	11.7 ppm	0.2 ppm	11.4 ppm	0.0 ppm	NA	NA	9.6" Hg	8 scfm

Dilution Air Open : 25 % Any System Maintenance ? Yes (No)
Explain Maintenance :

Any System Changes ? Yes (No)
Explain System Changes:

Comments :
Water in flow meter (High condensation)
Vacuum at well 103 inches w.c.

gabsve

OHM
SYSTEM MONITORING LOG

Date: 3-23-98

Job # D.O. # W.B.S. Site. SVE 5
Name: Arrival Time: 1545 Departure Time: 1555

System Operational Upon Arrival : Yes No
If no explain failure:
Propane : —— Electrical Meter : —— Leaks : No Yes
If Yes Describe Leak :
Was leak repaired ?
Control Temp : NA Operating Temp : NA in / NA out L.E.L. Display : NA

SVE hrs: NA

	FID		PID		LEL		VAC	FLOW
	Inlf. ppm	Eff. ppm	Inlf. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System							9.4	8
Well #	NA	3.2	NA	0	NA	NA		
5.								

Dilution Air Open : 50 % Any System Maintenance ? Yes No
Explain Maintenance :

Any System Changes ? Yes No
Explain System Changes:

Comments :
Vac. = 100" H_2O
Temp. Effluent = 150°F

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/25/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #218**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues

INITIAL			Test Performed and Who Performed Test
	Preliminary Work Was Done Correctly	Y	
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	

FOLLOW-UP				
	Work Complies With Contracts As Approved In Initial Phase	Y	**24SVE-5 Morning Test Data:**	**24SVE- 5 Afternoon Test Data:**
	Site 24 SVE Pilot Test:		Time = 0800	Time =
	The SVE system was operational on SVE-5 upon arrival;		Wellhead Vacuum = 105 in. w.c.	Wellhead Vacuum = in. w.c.
	The system was checked and data was collected .		Line Temperature = nr F	Line Temperature = nr F
			Flow Rate = 7 scfm	Flow Rate = scfm
	Property transfer of GOP from ERP to DRMO was confirmed for 3/26/98.		Blower Exit Temp. = nr F	Blower Exit Temp. = F
			Influent PID Reading = 10.1 ppm	Influent PID Reading = nr ppm
			Influent FID Reading = 10.6 ppm	Influent FID Reading = nr ppm
	The SVE system was operational at SVE-5 upon departure at 1100.		System Vacuum = 9.7 in. Hg	System Vacuum = in. Hg

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 3/26/98

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

OHM
SYSTEM MONITORING LOG

Date: 03-25-98

Job # D.O. # 65 W.H.S. Site: 24
Name: Pollard 2328 Arrival Time: 0800 Departure Time: 0525

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : Electrical Meter : Leaks (No) Yes

SVE hrs: NA

If Yes Describe Leak :
Was leak repaired ?
Control Temp : Operating Temp : in/out L.E.L. Display :

	FID		PID		LEL		VAC	FLOW
	Inlf. ppm	Elf. ppm	Inlf. ppm.	Elf. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System Well #								
24SVE5	10.6 ppm	30 ppm	10.1 ppm	0.0 ppm	NA	NA	9.7" Hg	Tacton

Dilution Air Open : 25 % Any System Maintenance ? Yes (No)
Explain Maintenance :

Any System Changes ? Yes (No)
Explain System Changes:

Comments :
105 inches of water column at wellhead
water condensation in the flow meter

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/26/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #219**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-U	Work Complies With Contracts As Approved In Initial Phase	Y	

ERP Property Transfer:
Property (see attached list) transfer from ERP to DRMO started at 0700 after the safety meeting.
2 trucks were mobilized to Bldg 319 at 0815 to expedite the transfer of property
Property was inspected at Bldg 319 and allocated to DRMO Yard #2 .
Trucks and crane were demobilized at approximately 1200 and property transfer was completed at approximately 1345.

Site 24 SVE Pilot Test:
The SVE system was operational on SVE-5 upon arrival;
The system was checked and data was collected . The vacuum was reduced to 60" w.c. by Bechtel (at 1315) based upon water level readings measured at well SVE-5.
The system was operational at SVE-5 upon departure at 1500.

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time =	Time = 1500
Wellhead Vacuum = in. w.c.	Wellhead Vacuum = 60 in. w.c.
Line Temperature = nr F	Line Temperature = nr F
Flow Rate = scfm	Flow Rate = 2 scfm
Blower Exit Temp. = nr F	Blower Exit Temp. = nr F
Influent PID Reading = NR ppm	Influent PID Reading = nr ppm
Influent FID Reading = NR ppm	Influent FID Reading = nr ppm
System Vacuum = 1.7 in. Hg	System Vacuum = 7.0 in. Hg

Rework Items Identified Today (Not Corrected by Close of Business)

Rework Items Corrected Today (From Rework Items List)

N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

5802

Authorized QC Manager At Site

3/26/98

Date

GOVERNMENT QUALITY ASSURANCE REPORT

ty Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative

Date

OHM
SYSTEM MONITORING LOG

Date: 3/26/98

Job # 18709 D.O. # 45 W.B.S. Site: SVE 8
Name: F Torres Arrival Time: 1500 Departure Time: 1510

System Operational Upon Arrival : (Yes) No
If no explain failure:
Propane : N/A Electrical Meter : N/A Leaks : No Yes
If Yes Describe Leak :
Was leak repaired ?
Control Temp : Operating Temp : in/out L.E.L. Display :

SVE hrs:

	FID		PID		LEL		VAC	FLOW
	Inff. ppm	Eff. ppm	Inff. ppm.	Eff. ppm	L.E.L.%	O2 %	" ~~H2O~~ Hg	SCFM
System	NR		NR		NR		70	2
Well #								

Dilution Air Open : % Any System Maintenance ? Yes No
Explain Maintenance :

Any System Changes ? Yes No
Explain System Changes:

Comments : wellhead vac = 60" WC Set by BECHTER @ 1315 (Pat Brooks)
CHECK WELLHEAD FLOW ON 3/27 AM CASING WATER LEVEL meas'd @ 81.91' bgs

gabsve

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 03/27/98

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATIONS	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #220**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work plan, QAPP (Bechtel) & HSP (OHM) have been reviewed
	Work Method and Schedule Discussed	Y	Bechtel is responsible for all technical issues
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	
	Work is in Compliance With the Contract	Y	
FOLLOW-UP	Work Complies With Contracts As Approved In Initial Phase	Y	

Site 24 SVE Pilot Test:

The SVE system was operational on SVE-5 upon arrival at 0700;
The system was checked and secured for the forecasted storm.
The system data was collected later in the day to reflect system changes in vacuum.

The SVE system was operational on SVE-5 upon arrival at 1300;
The SVE system was operational at SVE-5 upon departure at 1330.
The SVE system is scheduled to shutdown on 3/31/98.

24SVE-5 Morning Test Data:	**24SVE- 5 Afternoon Test Data:**
Time =	Time = 1300
Wellhead Vacuum = in. w.c.	Wellhead Vacuum = 60 in. w.c.
Line Temperature = nr F	Line Temperature = nr F
Flow Rate = scfm	Flow Rate = 2 scfm
Blower Exit Temp. = nr F	Blower Exit Temp. = nr F
Influent PID Reading = NR ppm	Influent PID Reading = nr ppm
Influent FID Reading = NR ppm	Influent FID Reading = nr ppm
System Vacuum = in. Hg	System Vacuum = 7.0 in. Hg

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks:

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

5802 — Authorized QC Manager At Site

3/27/98 — Date

GOVERNMENT QUALITY ASSURANCE REPORT

ty Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative

Date

CONTRACTOR QUALITY CONTROL REPORT

Contract No. N68711-93-D-1459 D.O. No. 0065

Date: 12/30/97

PHASE	Y = YES, N = NO (SEE REMARKS) N/A = NOT APPLICABLE		IDENTIFY DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT
PREPARATION	The Plans and Specs Have Been Reviewed	N/A	**Project No. 18708** **Sequence No.: #159**
	The Submittals Have Been Approved	Y	
	Materials Comply With Approved Submittals	Y	
	Materials Are Stored Properly	Y	
	Preliminary Work Was Done Correctly	Y	
	Testing Plan Has Been Reviewed	Y	The Work Plan, CDAP, Health and Safety Plan, and CQC plan have been reviewed.
	Work Method and Schedule Discussed	Y	
INITIAL	Preliminary Work Was Done Correctly	Y	Test Performed and Who Performed Test
	Sample Has Been Prepared (Approved)	N/A	
	Workmanship is Satisfactory	Y	
	Test Results are Acceptable	N/A	N/A
	Work is in Compliance With the Contract	Y	
FOLLOW	Work Complies With Contracts As Approved In Initial Phase	Y	0

Site 24 SVE Pilot Test:

The SVE system was set-up at well number 24SVE 12 and 7 vapor samples were collected. PID and FID data was recorded. The system/carbon was removed from the site upon completion of 4 hours of testing.

24SVE-12 Morning Test Data:	**24SVE-12 Afternoon Test Data:**
Time = 0800	Time = 1200
Wellhead Vacuum = 95 in. w.c.	Wellhead Vacuum = 87 in. w.c.
Line Temperature = nr F	Line Temperature = nr F
Flow Velocity = NR fpm	Flow Velocity = NR fpm
Flow Rate = 65 cfm	Flow Rate = 60 scfm
Blower Exit Temp. = nr F	Blower Exit Temp. = nr F
Influent PID Reading = 95 ppm	Influent PID Reading = 78 ppm
Influent FID Reading = 121 ppm	Influent FID Reading = 86 ppm
Influent FID w/ C. F. =	Influent FID w/ C.F. =

Rework Items Identified Today (Not Corrected by Close of Business)	Rework Items Corrected Today (From Rework Items List)
	N/A

Remarks.

On behalf of the Contractor, I certify that this report is complete and correct, and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report

Authorized QC Manager At Site — Date: 1/13/98

GOVERNMENT QUALITY ASSURANCE REPORT

Quality Assurance Representative's Remarks and/or Exception to the Report

Government Quality Assurance Representative — Date

MW

COMPLETED

OHM Remediation Services Corp
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

D065

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

212145

FORM 0019 REV. 2-97

OHM's LAB COORDINATOR: Dwayne Ishida	LAB COORDINATOR'S PHONE: (714) 263-1146 x525	LAB COORDINATOR'S FAX: (714) ~~263~~ 475-5433	LABORATORY SERVICE ID: 130053	LABORATORY CONTACT:	MAIL REPORT (COMPANY NAME): OHM
PROJECT NAME: ~~T398~~ Site 24 SVE12	PROJECT LOCATION: MCAS El Toro	PROJECT NUMBER: ~~20242~~ 18708	LABORATORY PHONE: 626/965-1006	LABORATORY FAX:	RECIPIENT NAME: Mary Schneider
PROJECT CONTACT: Dwayne Ishida	PROJECT PHONE NUMBER: 263-1146	PROJECT FAX: 475-5433	LABORATORY ADDRESS:		ADDRESS: 2031 Main St.
PROJECT ADDRESS: MCAS El Toro	CITY, STATE AND ZIPCODE: El Toro, CA	CLIENT: SWDIV	CITY, STATE AND ZIPCODE: Santa Ana, CA		CITY, STATE AND ZIPCODE: Irvine, CA 92614
PROJECT MANAGER: Bill Sedlak	PROJECT MANAGER'S PHONE: 263-1146	PROJECT MANAGER'S FAX: 263-1147			

Analyses: TO-14 — Quanterra

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	Analyses	Comments
1	18708-142 A	air	12/30/97	0800	na	2	C	5	x	B: 0802
2	18708-143 A	↓	↓	0826	↓	↓	↓	↓	x	B: 0828 PID: 80 FID: 121
3	18708-144 A	↓	↓	0900	↓	↓	↓	↓	x	B: 0903 PID: 94 FID: 137
4	18708-145 A	↓	↓	1217	↓	↓	D	↓	x	B: 1218 PID: 78 FID: 86
5	18708-146 A	↓	↓	1210	↓	↓	C	↓	x	B: 1212 PID: 0.4 FID: 2.8
6	18708-147 A	↓	↓	1205	↓	↓	D	↓	x	B: 1207 PID: 0.3 FID: 2.0
7	18708-148 A	air	12/30/97	1219	na	2	C	5	x	B: 1220 PID: 78 FID: 86
8										
9										
10										

1/15/98

Q → Jim Grille 1/15/98

12/30/97

SAMPLES COLLECTED BY: D. Ishida

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		12/30/97	1310	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
(1) SVE12 - ambient				x
(2) SVE12 - influent - 30 min			x	
(3) SVE12 - influent - 60 min			x	
(4) SVE12 - influent - 240 min			x	
(5) SVE12 - mid - 240 min			x	
(6) SVE12 - effluent - 240 min			x	
(7) SVE12 - influent - 240 min duplicate			~~x~~	x

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-142A
LAB ID: 130053-0001-SA
Matrix: AIR | Sampled: 30 DEC 97 | Received: 30 DEC 97
Authorized: 30 DEC 97 | Prepared: N/A | Analyzed: 31 DEC 97
Instrument: GC/MS-A | Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	ND		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	ND		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	ND		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.0086		0.0075	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-142A
LAB ID: 130053-0001-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-143A
LAB ID: 130053-0002-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		3.3	ug/L
Chloromethane	ND		2.7	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		4.7	ug/L
Vinyl chloride	ND		1.7	ug/L
Bromomethane	ND		2.6	ug/L
Chloroethane	ND		3.7	ug/L
Trichlorofluoromethane	ND		3.7	ug/L
1,1-Dichloroethene	5.0		2.6	ug/L
Carbon disulfide	ND		10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	190		5.0	ug/L
Acetone	ND		8.0	ug/L
Methylene chloride	ND		2.3	ug/L
trans-1,2-Dichloroethene	ND		2.6	ug/L
Methyl t-butyl ether	ND		12	ug/L
1,1-Dichloroethane	ND		2.7	ug/L
Vinyl acetate	ND		12	ug/L
cis-1,2-Dichloroethene	ND		2.6	ug/L
2-Butanone	ND		9.7	ug/L
Chloroform	ND		3.2	ug/L
1,1,1-Trichloroethane	ND		3.7	ug/L
Carbon tetrachloride	12		4.3	ug/L
Benzene	ND		2.1	ug/L
1,2-Dichloroethane	ND		2.7	ug/L
Trichloroethene	340		3.7	ug/L
1,2-Dichloropropane	ND		3.1	ug/L
Bromodichloromethane	ND		4.3	ug/L
cis-1,3-Dichloropropene	ND		3.0	ug/L
4-Methyl-2-pentanone	ND		14	ug/L
Toluene	ND		2.5	ug/L
trans-1,3-Dichloropropene	ND		3.0	ug/L
1,1,2-Trichloroethane	ND		3.7	ug/L
Tetrachloroethene	8.7		4.7	ug/L
2-Hexanone	ND		40	ug/L
Dibromochloromethane	ND		5.7	ug/L
1,2-Dibromoethane (EDB)	ND		5.0	ug/L
Chlorobenzene	ND		3.1	ug/L
Ethylbenzene	ND		2.9	ug/L
Xylenes (total)	ND		2.9	ug/L
Styrene	ND		2.8	ug/L
Bromoform	ND		7.0	ug/L
1,1,2,2-Tetrachloroethane	ND		4.7	ug/L
Benzyl chloride	ND		17	ug/L
4-Ethyltoluene	ND		3.3	ug/L
1,3,5-Trimethylbenzene	ND		3.3	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-143A
LAB ID: 130053-0002-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		3.3	ug/L
1,3-Dichlorobenzene	ND		4.0	ug/L
1,4-Dichlorobenzene	ND		4.0	ug/L
1,2-Dichlorobenzene	ND		4.0	ug/L
1,2,4-Trichlorobenzene	ND		50	ug/L
Hexachlorobutadiene	ND		14	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-144A
LAB ID: 130053-0003-SA
Matrix: AIR | Sampled: 30 DEC 97 | Received: 30 DEC 97
Authorized: 30 DEC 97 | Prepared: N/A | Analyzed: 31 DEC 97
Instrument: GC/MS-A | Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		3.3	ug/L
Chloromethane	ND		2.7	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		4.7	ug/L
Vinyl chloride	ND		1.7	ug/L
Bromomethane	ND		2.6	ug/L
Chloroethane	ND		3.7	ug/L
Trichlorofluoromethane	ND		3.7	ug/L
1,1-Dichloroethene	4.6		2.6	ug/L
Carbon disulfide	ND		10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	190		5.0	ug/L
Acetone	ND		8.0	ug/L
Methylene chloride	ND		2.3	ug/L
trans-1,2-Dichloroethene	ND		2.6	ug/L
Methyl t-butyl ether	ND		12	ug/L
1,1-Dichloroethane	ND		2.7	ug/L
Vinyl acetate	ND		12	ug/L
cis-1,2-Dichloroethene	ND		2.6	ug/L
2-Butanone	ND		9.7	ug/L
Chloroform	ND		3.2	ug/L
1,1,1-Trichloroethane	ND		3.7	ug/L
Carbon tetrachloride	11		4.3	ug/L
Benzene	ND		2.1	ug/L
1,2-Dichloroethane	ND		2.7	ug/L
Trichloroethene	330		3.7	ug/L
1,2-Dichloropropane	ND		3.1	ug/L
Bromodichloromethane	ND		4.3	ug/L
cis-1,3-Dichloropropene	ND		3.0	ug/L
4-Methyl-2-pentanone	ND		14	ug/L
Toluene	ND		2.5	ug/L
trans-1,3-Dichloropropene	ND		3.0	ug/L
1,1,2-Trichloroethane	ND		3.7	ug/L
Tetrachloroethene	8.6		4.7	ug/L
2-Hexanone	ND		40	ug/L
Dibromochloromethane	ND		5.7	ug/L
1,2-Dibromoethane (EDB)	ND		5.0	ug/L
Chlorobenzene	ND		3.1	ug/L
Ethylbenzene	ND		2.9	ug/L
Xylenes (total)	ND		2.9	ug/L
Styrene	ND		2.8	ug/L
Bromoform	ND		7.0	ug/L
1,1,2,2-Tetrachloroethane	ND		4.7	ug/L
Benzyl chloride	ND		17	ug/L
4-Ethyltoluene	ND		3.3	ug/L
1,3,5-Trimethylbenzene	ND		3.3	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-144A
LAB ID: 130053-0003-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		3.3	ug/L
1,3-Dichlorobenzene	ND		4.0	ug/L
1,4-Dichlorobenzene	ND		4.0	ug/L
1,2-Dichlorobenzene	ND		4.0	ug/L
1,2,4-Trichlorobenzene	ND		50	ug/L
Hexachlorobutadiene	ND		14	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-145A
LAB ID: 130053-0004-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		3.3	ug/L
Chloromethane	ND		2.7	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		4.7	ug/L
Vinyl chloride	ND		1.7	ug/L
Bromomethane	ND		2.6	ug/L
Chloroethane	ND		3.7	ug/L
Trichlorofluoromethane	ND		3.7	ug/L
1,1-Dichloroethene	4.5		2.6	ug/L
Carbon disulfide	ND		10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	170		5.0	ug/L
Acetone	ND		8.0	ug/L
Methylene chloride	ND		2.3	ug/L
trans-1,2-Dichloroethene	ND		2.6	ug/L
Methyl t-butyl ether	ND		12	ug/L
1,1-Dichloroethane	ND		2.7	ug/L
Vinyl acetate	ND		12	ug/L
cis-1,2-Dichloroethene	ND		2.6	ug/L
2-Butanone	ND		9.7	ug/L
Chloroform	ND		3.2	ug/L
1,1,1-Trichloroethane	ND		3.7	ug/L
Carbon tetrachloride	11		4.3	ug/L
Benzene	ND		2.1	ug/L
1,2-Dichloroethane	ND		2.7	ug/L
Trichloroethene	330		3.7	ug/L
1,2-Dichloropropane	ND		3.1	ug/L
Bromodichloromethane	ND		4.3	ug/L
cis-1,3-Dichloropropene	ND		3.0	ug/L
4-Methyl-2-pentanone	ND		14	ug/L
Toluene	ND		2.5	ug/L
trans-1,3-Dichloropropene	ND		3.0	ug/L
1,1,2-Trichloroethane	ND		3.7	ug/L
Tetrachloroethene	8.3		4.7	ug/L
2-Hexanone	ND		40	ug/L
Dibromochloromethane	ND		5.7	ug/L
1,2-Dibromoethane (EDB)	ND		5.0	ug/L
Chlorobenzene	ND		3.1	ug/L
Ethylbenzene	ND		2.9	ug/L
Xylenes (total)	ND		2.9	ug/L
Styrene	ND		2.8	ug/L
Bromoform	ND		7.0	ug/L
1,1,2,2-Tetrachloroethane	ND		4.7	ug/L
Benzyl chloride	ND		17	ug/L
4-Ethyltoluene	ND		3.3	ug/L
1,3,5-Trimethylbenzene	ND		3.3	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-145A
LAB ID: 130053-0004-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		3.3	ug/L
1,3-Dichlorobenzene	ND		4.0	ug/L
1,4-Dichlorobenzene	ND		4.0	ug/L
1,2-Dichlorobenzene	ND		4.0	ug/L
1,2,4-Trichlorobenzene	ND		50	ug/L
Hexachlorobutadiene	ND		14	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-146A
LAB ID: 130053-0005-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	ND		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	0.036		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	ND		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	0.0077		0.0075	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-146A
LAB ID: 130053-0005-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-147A
LAB ID: 130053-0006-SA
Matrix: AIR | Sampled: 30 DEC 97 | Received: 30 DEC 97
Authorized: 30 DEC 97 | Prepared: N/A | Analyzed: 31 DEC 97
Instrument: GC/MS-A | Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		0.0099	ug/L
Chloromethane	ND		0.0082	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.014	ug/L
Vinyl chloride	ND		0.0051	ug/L
Bromomethane	ND		0.0078	ug/L
Chloroethane	ND		0.011	ug/L
Trichlorofluoromethane	ND		0.011	ug/L
1,1-Dichloroethene	ND		0.0079	ug/L
Carbon disulfide	ND		0.031	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.015	ug/L
Acetone	ND		0.024	ug/L
Methylene chloride	ND		0.0069	ug/L
trans-1,2-Dichloroethene	ND		0.0079	ug/L
Methyl t-butyl ether	ND		0.036	ug/L
1,1-Dichloroethane	ND		0.0081	ug/L
Vinyl acetate	ND		0.035	ug/L
cis-1,2-Dichloroethene	ND		0.0079	ug/L
2-Butanone	0.036		0.029	ug/L
Chloroform	ND		0.0097	ug/L
1,1,1-Trichloroethane	ND		0.011	ug/L
Carbon tetrachloride	ND		0.013	ug/L
Benzene	ND		0.0064	ug/L
1,2-Dichloroethane	ND		0.0081	ug/L
Trichloroethene	ND		0.011	ug/L
1,2-Dichloropropane	ND		0.0092	ug/L
Bromodichloromethane	ND		0.013	ug/L
cis-1,3-Dichloropropene	ND		0.0091	ug/L
4-Methyl-2-pentanone	ND		0.041	ug/L
Toluene	ND		0.0075	ug/L
trans-1,3-Dichloropropene	ND		0.0091	ug/L
1,1,2-Trichloroethane	ND		0.011	ug/L
Tetrachloroethene	ND		0.014	ug/L
2-Hexanone	ND		0.12	ug/L
Dibromochloromethane	ND		0.017	ug/L
1,2-Dibromoethane (EDB)	ND		0.015	ug/L
Chlorobenzene	ND		0.0092	ug/L
Ethylbenzene	ND		0.0087	ug/L
Xylenes (total)	ND		0.0087	ug/L
Styrene	ND		0.0085	ug/L
Bromoform	ND		0.021	ug/L
1,1,2,2-Tetrachloroethane	ND		0.014	ug/L
Benzyl chloride	ND		0.052	ug/L
4-Ethyltoluene	ND		0.0099	ug/L
1,3,5-Trimethylbenzene	ND		0.0098	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-147A
LAB ID: 130053-0006-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		0.0098	ug/L
1,3-Dichlorobenzene	ND		0.012	ug/L
1,4-Dichlorobenzene	ND		0.012	ug/L
1,2-Dichlorobenzene	ND		0.012	ug/L
1,2,4-Trichlorobenzene	ND		0.15	ug/L
Hexachlorobutadiene	ND		0.042	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-142A
LAB ID: 130053-0001-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	ND		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	ND		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	2.3		2.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	ND		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-142A
LAB ID: 130053-0001-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-143A
LAB ID: 130053-0002-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		670	ppb (v/v)
Chloromethane	ND		1300	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		670	ppb (v/v)
Vinyl chloride	ND		670	ppb (v/v)
Bromomethane	ND		670	ppb (v/v)
Chloroethane	ND		1300	ppb (v/v)
Trichlorofluoromethane	ND		670	ppb (v/v)
1,1-Dichloroethene	1300		670	ppb (v/v)
Carbon disulfide	ND		3300	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	25000		670	ppb (v/v)
Acetone	ND		3300	ppb (v/v)
Methylene chloride	ND		670	ppb (v/v)
trans-1,2-Dichloroethene	ND		670	ppb (v/v)
Methyl t-butyl ether	ND		3300	ppb (v/v)
1,1-Dichloroethane	ND		670	ppb (v/v)
Vinyl acetate	ND		3300	ppb (v/v)
cis-1,2-Dichloroethene	ND		670	ppb (v/v)
2-Butanone	ND		3300	ppb (v/v)
Chloroform	ND		670	ppb (v/v)
1,1,1-Trichloroethane	ND		670	ppb (v/v)
Carbon tetrachloride	1800		670	ppb (v/v)
Benzene	ND		670	ppb (v/v)
1,2-Dichloroethane	ND		670	ppb (v/v)
Trichloroethene	64000		670	ppb (v/v)
1,2-Dichloropropane	ND		670	ppb (v/v)
Bromodichloromethane	ND		670	ppb (v/v)
cis-1,3-Dichloropropene	ND		670	ppb (v/v)
4-Methyl-2-pentanone	ND		3300	ppb (v/v)
Toluene	ND		670	ppb (v/v)
trans-1,3-Dichloropropene	ND		670	ppb (v/v)
1,1,2-Trichloroethane	ND		670	ppb (v/v)
Tetrachloroethene	1300		670	ppb (v/v)
2-Hexanone	ND		10000	ppb (v/v)
Dibromochloromethane	ND		670	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		670	ppb (v/v)
Chlorobenzene	ND		670	ppb (v/v)
Ethylbenzene	ND		670	ppb (v/v)
Xylenes (total)	ND		670	ppb (v/v)
Styrene	ND		670	ppb (v/v)
Bromoform	ND		670	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		670	ppb (v/v)
Benzyl chloride	ND		3300	ppb (v/v)
4-Ethyltoluene	ND		670	ppb (v/v)
1,3,5-Trimethylbenzene	ND		670	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-143A
LAB ID: 130053-0002-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		670	ppb (v/v)
1,3-Dichlorobenzene	ND		670	ppb (v/v)
1,4-Dichlorobenzene	ND		670	ppb (v/v)
1,2-Dichlorobenzene	ND		670	ppb (v/v)
1,2,4-Trichlorobenzene	ND		6700	ppb (v/v)
Hexachlorobutadiene	ND		1300	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-144A
LAB ID: 130053-0003-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		670	ppb (v/v)
Chloromethane	ND		1300	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		670	ppb (v/v)
Vinyl chloride	ND		670	ppb (v/v)
Bromomethane	ND		670	ppb (v/v)
Chloroethane	ND		1300	ppb (v/v)
Trichlorofluoromethane	ND		670	ppb (v/v)
1,1-Dichloroethene	1200		670	ppb (v/v)
Carbon disulfide	ND		3300	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	25000		670	ppb (v/v)
Acetone	ND		3300	ppb (v/v)
Methylene chloride	ND		670	ppb (v/v)
trans-1,2-Dichloroethene	ND		670	ppb (v/v)
Methyl t-butyl ether	ND		3300	ppb (v/v)
1,1-Dichloroethane	ND		670	ppb (v/v)
Vinyl acetate	ND		3300	ppb (v/v)
cis-1,2-Dichloroethene	ND		670	ppb (v/v)
2-Butanone	ND		3300	ppb (v/v)
Chloroform	ND		670	ppb (v/v)
1,1,1-Trichloroethane	ND		670	ppb (v/v)
Carbon tetrachloride	1800		670	ppb (v/v)
Benzene	ND		670	ppb (v/v)
1,2-Dichloroethane	ND		670	ppb (v/v)
Trichloroethene	62000		670	ppb (v/v)
1,2-Dichloropropane	ND		670	ppb (v/v)
Bromodichloromethane	ND		670	ppb (v/v)
cis-1,3-Dichloropropene	ND		670	ppb (v/v)
4-Methyl-2-pentanone	ND		3300	ppb (v/v)
Toluene	ND		670	ppb (v/v)
trans-1,3-Dichloropropene	ND		670	ppb (v/v)
1,1,2-Trichloroethane	ND		670	ppb (v/v)
Tetrachloroethene	1300		670	ppb (v/v)
2-Hexanone	ND		10000	ppb (v/v)
Dibromochloromethane	ND		670	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		670	ppb (v/v)
Chlorobenzene	ND		670	ppb (v/v)
Ethylbenzene	ND		670	ppb (v/v)
Xylenes (total)	ND		670	ppb (v/v)
Styrene	ND		670	ppb (v/v)
Bromoform	ND		670	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		670	ppb (v/v)
Benzyl chloride	ND		3300	ppb (v/v)
4-Ethyltoluene	ND		670	ppb (v/v)
1,3,5-Trimethylbenzene	ND		670	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-144A
LAB ID: 130053-0003-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		670	ppb (v/v)
1,3-Dichlorobenzene	ND		670	ppb (v/v)
1,4-Dichlorobenzene	ND		670	ppb (v/v)
1,2-Dichlorobenzene	ND		670	ppb (v/v)
1,2,4-Trichlorobenzene	ND		6700	ppb (v/v)
Hexachlorobutadiene	ND		1300	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-145A
LAB ID: 130053-0004-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		670	ppb (v/v)
Chloromethane	ND		1300	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		670	ppb (v/v)
Vinyl chloride	ND		670	ppb (v/v)
Bromomethane	ND		670	ppb (v/v)
Chloroethane	ND		1300	ppb (v/v)
Trichlorofluoromethane	ND		670	ppb (v/v)
1,1-Dichloroethene	1100		670	ppb (v/v)
Carbon disulfide	ND		3300	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	23000		670	ppb (v/v)
Acetone	ND		3300	ppb (v/v)
Methylene chloride	ND		670	ppb (v/v)
trans-1,2-Dichloroethene	ND		670	ppb (v/v)
Methyl t-butyl ether	ND		3300	ppb (v/v)
1,1-Dichloroethane	ND		670	ppb (v/v)
Vinyl acetate	ND		3300	ppb (v/v)
cis-1,2-Dichloroethene	ND		670	ppb (v/v)
2-Butanone	ND		3300	ppb (v/v)
Chloroform	ND		670	ppb (v/v)
1,1,1-Trichloroethane	ND		670	ppb (v/v)
Carbon tetrachloride	1700		670	ppb (v/v)
Benzene	ND		670	ppb (v/v)
1,2-Dichloroethane	ND		670	ppb (v/v)
Trichloroethene	61000		670	ppb (v/v)
1,2-Dichloropropane	ND		670	ppb (v/v)
Bromodichloromethane	ND		670	ppb (v/v)
cis-1,3-Dichloropropene	ND		670	ppb (v/v)
4-Methyl-2-pentanone	ND		3300	ppb (v/v)
Toluene	ND		670	ppb (v/v)
trans-1,3-Dichloropropene	ND		670	ppb (v/v)
1,1,2-Trichloroethane	ND		670	ppb (v/v)
Tetrachloroethene	1200		670	ppb (v/v)
2-Hexanone	ND		10000	ppb (v/v)
Dibromochloromethane	ND		670	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		670	ppb (v/v)
Chlorobenzene	ND		670	ppb (v/v)
Ethylbenzene	ND		670	ppb (v/v)
Xylenes (total)	ND		670	ppb (v/v)
Styrene	ND		670	ppb (v/v)
Bromoform	ND		670	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		670	ppb (v/v)
Benzyl chloride	ND		3300	ppb (v/v)
4-Ethyltoluene	ND		670	ppb (v/v)
1,3,5-Trimethylbenzene	ND		670	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-145A
LAB ID: 130053-0004-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		670	ppb (v/v)
1,3-Dichlorobenzene	ND		670	ppb (v/v)
1,4-Dichlorobenzene	ND		670	ppb (v/v)
1,2-Dichlorobenzene	ND		670	ppb (v/v)
1,2,4-Trichlorobenzene	ND		6700	ppb (v/v)
Hexachlorobutadiene	ND		1300	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-146A
LAB ID: 130053-0005-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	ND		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	12		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	2.0		2.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	ND		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-146A
LAB ID: 130053-0005-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-147A
LAB ID: 130053-0006-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		2.0	ppb (v/v)
Chloromethane	ND		4.0	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		2.0	ppb (v/v)
Vinyl chloride	ND		2.0	ppb (v/v)
Bromomethane	ND		2.0	ppb (v/v)
Chloroethane	ND		4.0	ppb (v/v)
Trichlorofluoromethane	ND		2.0	ppb (v/v)
1,1-Dichloroethene	ND		2.0	ppb (v/v)
Carbon disulfide	ND		10	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	ppb (v/v)
Acetone	ND		10	ppb (v/v)
Methylene chloride	ND		2.0	ppb (v/v)
trans-1,2-Dichloroethene	ND		2.0	ppb (v/v)
Methyl t-butyl ether	ND		10	ppb (v/v)
1,1-Dichloroethane	ND		2.0	ppb (v/v)
Vinyl acetate	ND		10	ppb (v/v)
cis-1,2-Dichloroethene	ND		2.0	ppb (v/v)
2-Butanone	12		10	ppb (v/v)
Chloroform	ND		2.0	ppb (v/v)
1,1,1-Trichloroethane	ND		2.0	ppb (v/v)
Carbon tetrachloride	ND		2.0	ppb (v/v)
Benzene	ND		2.0	ppb (v/v)
1,2-Dichloroethane	ND		2.0	ppb (v/v)
Trichloroethene	ND		2.0	ppb (v/v)
1,2-Dichloropropane	ND		2.0	ppb (v/v)
Bromodichloromethane	ND		2.0	ppb (v/v)
cis-1,3-Dichloropropene	ND		2.0	ppb (v/v)
4-Methyl-2-pentanone	ND		10	ppb (v/v)
Toluene	ND		2.0	ppb (v/v)
trans-1,3-Dichloropropene	ND		2.0	ppb (v/v)
1,1,2-Trichloroethane	ND		2.0	ppb (v/v)
Tetrachloroethene	ND		2.0	ppb (v/v)
2-Hexanone	ND		30	ppb (v/v)
Dibromochloromethane	ND		2.0	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		2.0	ppb (v/v)
Chlorobenzene	ND		2.0	ppb (v/v)
Ethylbenzene	ND		2.0	ppb (v/v)
Xylenes (total)	ND		2.0	ppb (v/v)
Styrene	ND		2.0	ppb (v/v)
Bromoform	ND		2.0	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		2.0	ppb (v/v)
Benzyl chloride	ND		10	ppb (v/v)
4-Ethyltoluene	ND		2.0	ppb (v/v)
1,3,5-Trimethylbenzene	ND		2.0	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-147A
LAB ID: 130053-0006-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		2.0	ppb (v/v)
1,3-Dichlorobenzene	ND		2.0	ppb (v/v)
1,4-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2-Dichlorobenzene	ND		2.0	ppb (v/v)
1,2,4-Trichlorobenzene	ND		20	ppb (v/v)
Hexachlorobutadiene	ND		4.0	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-148A
LAB ID: 130053-0007-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		670	ppb (v/v)
Chloromethane	ND		1300	ppb (v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		670	ppb (v/v)
Vinyl chloride	ND		670	ppb (v/v)
Bromomethane	ND		670	ppb (v/v)
Chloroethane	ND		1300	ppb (v/v)
Trichlorofluoromethane	1200		670	ppb (v/v)
1,1-Dichloroethene	ND		670	ppb (v/v)
Carbon disulfide	ND		3300	ppb (v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	22000		670	ppb (v/v)
Acetone	ND		3300	ppb (v/v)
Methylene chloride	ND		670	ppb (v/v)
trans-1,2-Dichloroethene	ND		670	ppb (v/v)
Methyl t-butyl ether	ND		3300	ppb (v/v)
1,1-Dichloroethane	ND		670	ppb (v/v)
Vinyl acetate	ND		3300	ppb (v/v)
cis-1,2-Dichloroethene	ND		670	ppb (v/v)
2-Butanone	ND		3300	ppb (v/v)
Chloroform	ND		670	ppb (v/v)
1,1,1-Trichloroethane	ND		670	ppb (v/v)
Carbon tetrachloride	1600		670	ppb (v/v)
Benzene	ND		670	ppb (v/v)
1,2-Dichloroethane	ND		670	ppb (v/v)
Trichloroethene	61000		670	ppb (v/v)
1,2-Dichloropropane	ND		670	ppb (v/v)
Bromodichloromethane	ND		670	ppb (v/v)
cis-1,3-Dichloropropene	ND		670	ppb (v/v)
4-Methyl-2-pentanone	ND		3300	ppb (v/v)
Toluene	ND		670	ppb (v/v)
trans-1,3-Dichloropropene	ND		670	ppb (v/v)
1,1,2-Trichloroethane	ND		670	ppb (v/v)
Tetrachloroethene	1300		670	ppb (v/v)
2-Hexanone	ND		10000	ppb (v/v)
Dibromochloromethane	ND		670	ppb (v/v)
1,2-Dibromoethane (EDB)	ND		670	ppb (v/v)
Chlorobenzene	ND		670	ppb (v/v)
Ethylbenzene	ND		670	ppb (v/v)
Xylenes (total)	ND		670	ppb (v/v)
Styrene	ND		670	ppb (v/v)
Bromoform	ND		670	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND		670	ppb (v/v)
Benzyl chloride	ND		3300	ppb (v/v)
4-Ethyltoluene	ND		670	ppb (v/v)
1,3,5-Trimethylbenzene	ND		670	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-148A
LAB ID: 130053-0007-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		670	ppb (v/v)
1,3-Dichlorobenzene	ND		670	ppb (v/v)
1,4-Dichlorobenzene	ND		670	ppb (v/v)
1,2-Dichlorobenzene	ND		670	ppb (v/v)
1,2,4-Trichlorobenzene	ND		6700	ppb (v/v)
Hexachlorobutadiene	ND		1300	ppb (v/v)

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14

Client Name: OHM Remediation Services Corporation
Client ID: 18708-148A
LAB ID: 130053-0007-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
Dichlorodifluoromethane	ND		3.3	ug/L
Chloromethane	ND		2.7	ug/L
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		4.7	ug/L
Vinyl chloride	ND		1.7	ug/L
Bromomethane	ND		2.6	ug/L
Chloroethane	ND		3.7	ug/L
Trichlorofluoromethane	ND		3.7	ug/L
1,1-Dichloroethene	4.6		2.6	ug/L
Carbon disulfide	ND		10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	17		5.0	ug/L
Acetone	ND		8.0	ug/L
Methylene chloride	ND		2.3	ug/L
trans-1,2-Dichloroethene	ND		2.6	ug/L
Methyl t-butyl ether	ND		12	ug/L
1,1-Dichloroethane	ND		2.7	ug/L
Vinyl acetate	ND		12	ug/L
cis-1,2-Dichloroethene	ND		2.6	ug/L
2-Butanone	ND		9.7	ug/L
Chloroform	ND		3.2	ug/L
1,1,1-Trichloroethane	ND		3.7	ug/L
Carbon tetrachloride	10		4.3	ug/L
Benzene	ND		2.1	ug/L
1,2-Dichloroethane	ND		2.7	ug/L
Trichloroethene	330		3.7	ug/L
1,2-Dichloropropane	ND		3.1	ug/L
Bromodichloromethane	ND		4.3	ug/L
cis-1,3-Dichloropropene	ND		3.0	ug/L
4-Methyl-2-pentanone	ND		14	ug/L
Toluene	ND		2.5	ug/L
trans-1,3-Dichloropropene	ND		3.0	ug/L
1,1,2-Trichloroethane	ND		3.7	ug/L
Tetrachloroethene	8.8		4.7	ug/L
2-Hexanone	ND		40	ug/L
Dibromochloromethane	ND		5.7	ug/L
1,2-Dibromoethane (EDB)	ND		5.0	ug/L
Chlorobenzene	ND		3.1	ug/L
Ethylbenzene	ND		2.9	ug/L
Xylenes (total)	ND		2.9	ug/L
Styrene	ND		2.8	ug/L
Bromoform	ND		7.0	ug/L
1,1,2,2-Tetrachloroethane	ND		4.7	ug/L
Benzyl chloride	ND		17	ug/L
4-Ethyltoluene	ND		3.3	ug/L
1,3,5-Trimethylbenzene	ND		3.3	ug/L

ND = Not Detected

Quanterra Environmental Services

Volatile Organics by GCMS - EPA TO14 (cont.)

Client Name: OHM Remediation Services Corporation
Client ID: 18708-148A
LAB ID: 130053-0007-SA
Matrix: AIR Sampled: 30 DEC 97 Received: 30 DEC 97
Authorized: 30 DEC 97 Prepared: N/A Analyzed: 31 DEC 97
Instrument: GC/MS-A Dilution: 330

Parameter	Result	Qualifier	RL	Units
1,2,4-Trimethylbenzene	ND		3.3	ug/L
1,3-Dichlorobenzene	ND		4.0	ug/L
1,4-Dichlorobenzene	ND		4.0	ug/L
1,2-Dichlorobenzene	ND		4.0	ug/L
1,2,4-Trichlorobenzene	ND		50	ug/L
Hexachlorobutadiene	ND		14	ug/L

ND = Not Detected