

07/25/05

Technical Report for

Tetra Tech NUS

Former American Beryllium, Sarasota, FL

N1075

Accutest Job Number: F33465

Sampling Date: 07/22/05

Report to:

Total number of pages in report: 46



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK
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Sample Summary

Tetra Tech NUS

Job No: F33465

Former American Beryllium, Sarasota, FL
Project No: N1075

Sample Number	Collected Date	Time By	Matrix Received Code	Client

Report of Analysis

Client Sample ID: TT-MW-124

Lab Sample ID: F33465-1

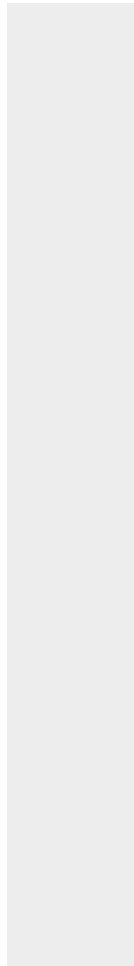
Matrix: AQ - Ground Water

Method: SW846 8260B

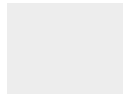
Date Sampled: 07/22/05

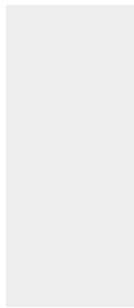
Date Received: 07/22/05

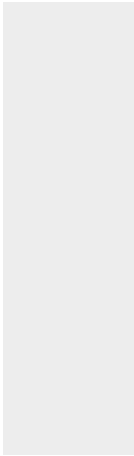
Percent Solids: n/a



Report of Analysis

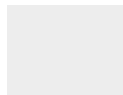
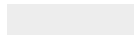






Report of Analysis

Client Sample ID: TT-MW-126



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

31
3

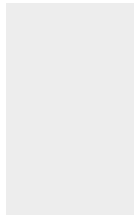
F33465: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries



Method Blank Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1389-MB	C0034099.D	1	07/25/05	KW	n/a	n/a	VC1389

The QC reported here applies to the following samples:

Method: SW846 8260B

F33465-1, F33465-2

CAS No.	Compound	Result	RL	MDL	Units	Q
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5						

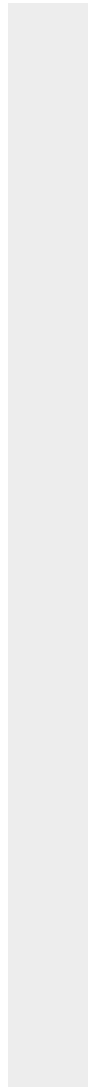
4.1
4

Blank Spike Summary

Job Number: F33465

Account: TETFLTAM Tetra Tech NUS

Project:

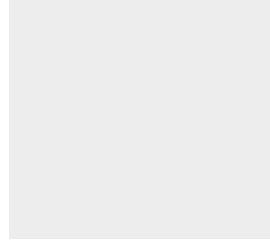
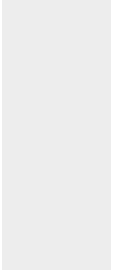


Blank Spike Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1389-BS	C0034098.D	1	07/25/05	KW	n/a	n/a	VC1389

4.2
4



Instrument Performance Check (BFB)

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample:	VC1389-BFB	Injection Date:	07/25/05
Lab File ID:	C0034096.D	Injection Time:	09:17
Instrument ID:	GCMSC		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail

4.3
4

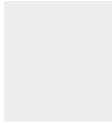
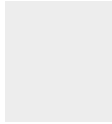
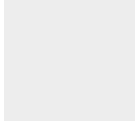


Volatile Surrogate Recovery Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Method: SW846 8260B	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F33465-1					
					

Initial Calibration Summary

Job Number: F33465
 Account: TETFLTAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: VC1377-ICC1377
 Lab FileID: C0033805.D

Response Factor Report MSVOA5

Method : C:\MSDCHEM\2\METHODS\82600713.M (RTE Integrator)
 Title : EPA 624 & SWA 5030B/8260B
 Last Update : Wed Jul 13 14:51:36 2005
 Response via : Initial Calibration

Calibration Files

1 =C0033802.D 2 =C0033803.D 3 =C0033804.D 4 =C0033805.D
 5 =C0033806.D 6 =C0033807.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) I Fluorobenzene	-----I STD-----							
2) Di chlorodi fluoromet	0.375	0.282	0.291	0.303	0.291	0.303	0.307	11.09
3) P Chloromethane	0.388	0.298	0.272	0.282	0.274	0.273	0.298	15.15
4) C Vinyl Chloride	0.241	0.189	0.183	0.200	0.202	0.210	0.204	10.10
5) Bromomethane	0.094	0.078	0.080	0.085	0.091	0.095	0.087	8.33
6) Chloroethane	0.087	0.078	0.077	0.082	0.083	0.085	0.082	4.72
7) Trichlorofluorometh	0.347	0.265	0.263	0.278	0.291	0.291	0.289	10.60
8) 1,2-Dichlorotri fluo	0.411	0.329	0.291	0.314	0.303	0.289	0.323	14.11
9) Ethyl ether	0.278	0.256	0.235	0.249	0.242	0.233	0.249	6.82
10) Acrolein	0.002	0.005	0.006	0.007	0.007	0.007	0.006	29.47
---- Linear regr., Force(0,0) ---- Coefficient = 0.9998								
Response Ratio = 0.0000 + 0.00681 *A								
11) Freon 113	0.206	0.231	0.202	0.236	0.211	0.202	0.215	7.01
12) Acetone	0.156	0.139	0.117	0.131	0.119	0.107	0.128	13.70
13) C 1,1-Dichloroethene	0.558	0.437	0.412	0.467	0.459	0.436	0.461	11.08
14) Iodomethane	0.366	0.337	0.327	0.387	0.359	0.354	0.355	6.03
15) Methyl Acetate	0.241	0.228	0.208	0.224	0.209	0.199	0.218	7.10
16) Carbon Disulfide	1.116	0.907	0.850	0.891	0.872	0.841	0.913	11.21
17) Methylene Chloride	0.717	0.537	0.490	0.500	0.471	0.448	0.527	18.53
---- Linear regr., Force(0,0) ---- Coefficient = 0.9978								
Response Ratio = 0.0000 + 0.46060 *A								
18) Acrylonitrile	0.083	0.085	0.101	0.104	0.102	0.101	0.096	9.72
19) Methyl Tert Butyl E	0.619	0.614	0.620	0.651	0.613	0.595	0.619	2.93
20) trans-1,2-Dichloroe	0.499	0.438	0.451	0.456	0.444	0.428	0.453	5.50
21) Hexane	0.550	0.456	0.465	0.480	0.478	0.462	0.482	7.16
22) Vinyl acetate	0.344	0.359	0.413	0.395	0.367	0.332	0.368	8.32
23) Di-isopropyl ether	1.033	1.067	1.077	1.058	0.965	0.876	1.013	7.71
24) P 1,1-Dichloroethane	0.643	0.589	0.574	0.561	0.531	0.510	0.568	8.21
25) ETBE	0.839	0.848	0.880	0.916	0.880	0.866	0.871	3.14
26) 2-Butanone	0.180	0.180	0.162	0.171	0.157	0.149	0.166	7.75
27) cis-1,2-Dichloroeth	0.314	0.287	0.293	0.287	0.268	0.259	0.284	6.77
28) 2,2-Dichloropropane	0.305	0.291	0.299	0.286	0.275	0.261	0.286	5.67
29) Bromochloromethane	0.122	0.123	0.127	0.126	0.116	0.116	0.122	3.87
30) C Chloroform	0.569	0.532	0.533	0.526	0.502	0.491	0.525	5.23
31) Tetrahydrofuran	0.084	0.080	0.081	0.086	0.082	0.079	0.082	3.21
32) S Dibromofluoromethan	0.245	0.238	0.257	0.258	0.253	0.255	0.251	3.10
33) 1,1,1-Tri chloroetha	0.441	0.404	0.398	0.401	0.388	0.383	0.403	5.09
34) Cyclohexane	0.551	0.510	0.520	0.539	0.532	0.509	0.527	3.18
35) 1,1-Dichloropropene	0.385	0.372	0.377	0.376	0.364	0.351	0.371	3.15

4.6
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Initial Calibration Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample: VC1377-ICC1377
Lab FileID: C0033805.D

41)	Tri chl oroethene	0.356	0.313	0.291	0.291	0.285	0.280	0.303	9.47
42) C	1, 2-Di chl oropropane	0.399	0.381	0.351	0.345	0.315	0.297	0.348	11.06
43)	Methyl cycl ohexane	0.524	0.467	0.458	0.451	0.424	0.406	0.455	8.97
44)	Di bromomethane	0.200	0.206	0.190	0.196	0.184	0.182	0.193	4.75
45)	Bromodi chl oromethan	0.448	0.450	0.433	0.430	0.417	0.410	0.431	3.69
46)	2-Ni tropropane	0.071	0.088	0.084	0.089	0.081	0.074	0.081	9.07
47)	2-Chl oroethyl vi nyl	0.134	0.173	0.179	0.179	0.157	0.146	0.161	11.62
48)	ci s-1, 3-Di chl oropro	0.456	0.484	0.497	0.518	0.494	0.488	0.489	4.11
49)	4-Methyl -2-pentanon	0.275	0.367	0.322	0.329	0.293	0.265	0.309	12.42
50) I	Chl orobenzene-d5	-----I STD-----							
51) S	Tol uene-d8	1.355	1.321	1.307	1.266	1.255	1.303	1.301	2.79
52) C	Tol uene	2.510	1.958	1.653	1.589	1.454	1.449	1.769	23.08

4.6
4

Initial Calibration Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample: VC1377-ICC1377
Lab FileID: C0033805.D

Initial Calibration Verification

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS

Sample:

VC1377-ICV1377

Page 1 of 3

Initial Calibration Verification

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample: VC1377-ICV1377
Lab FileID: C0033808.D

35	1, 1-Di chl oropropene	0.371	0.344	7.3	125	0.00	9.74
36	Carbon Tetrchl ori de	0.352	0.336	4.5	130	0.00	9.78
37 S	1, 2-Di chl oroethane-d4	0.337	0.322	4.5	128	0.00	9.88
38	1, 2-Di chl oroethane	0.480	0.433	9.8	122	0.00	9.96
39	Benzene	1.073	0.999	6.9	132	0.00	9.98
40	TAME	0.790	0.743	5.9	125	0.00	9.99
41	Tri chl oroethene	0.303	0.283	6.6	133	0.00	10.63
42 C	1, 2-Di chl oropropane	0.348	0.323	7.2	128	0.00	10.87
43	Methyl cycl ohexane	0.455	0.437	4.0	133	0.00	10.88
44	Di bromomethane	0.193	0.181	6.2	127	0.00	11.01

Initial Calibration Verification

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS

Sample:

VC1377-ICV1377



Continuing Calibration Summary

Job Number: F33465
 Account: TETFLAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: VC1389-CC1377
 Lab FileID: C0034097.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\072505\C0034097.D
 Acq On : 25 Jul 2005 9:33 am
 Sample : CC1377-40
 Misc : ms4772,vc1389,,,,,
 MS Integration Params: Rteint.p
 Vial : 1
 Operator: KarenW
 Inst : MSVOA5
 Multiplr: 1.00

Method : C:\MSDCHEM\2\METHODS\82600713.M (RTE Integrator)
 Title : EPA 624 & SWA 5030B/8260B
 Last Update : Wed Jul 13 14:51:36 2005
 Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(mi n)	R. T.
1 I	Fluorobenzene	1.000	1.000	0.0	114	0.00	10.23
2	Dichlorodifluoromethane	0.307	0.324	-5.5	122	0.00	4.55
3 P	Chloromethane	0.298	0.283	5.0	115	0.00	4.93
4 C	Vinyl Chloride	0.204	0.219	-7.4	126	0.00	5.16
5	Bromomethane	0.087	0.092	-5.7	124	0.02	5.77
6	Chloroethane	0.082	0.086	-4.9	120	0.02	5.94
7	Trichlorofluoromethane	0.289	0.321	-11.1	132	-0.01	6.30
8	1,2-Dichlorotrifluoroethane	0.323	0.307	5.0	112	-0.03	6.59
9	Ethyl ether	0.249	0.255	-2.4	117	0.00	6.62
----- Amount		Cal c.	%Dri ft	-----			
10	Acrolein	200.000	184.733	7.6	105	0.00	6.82
----- AvgRF		CCRF	%Dev	-----			
11	Freon 113	0.215	0.204	5.1	99	0.00	6.97
12	Acetone	0.128	0.099	22.7#	87	0.00	7.00
13 C	1,1-Dichloroethene	0.461	0.422	8.5	104	0.01	7.03
14	Iodomethane	0.355	0.320	9.9	95	0.00	7.27
15	Methyl Acetate	0.218	0.201	7.8	103	0.00	7.38
16	Carbon Disulfide	0.913	0.826	9.5	106	0.00	7.40
----- Amount		Cal c.	%Dri ft	-----			

4.6
4

Continuing Calibration Summary

Job Number: F33465
 Account: TETFLTAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: VC1389-CC1377
 Lab FileID: C0034097.D

35	1, 1-Di chl oropropene	0.371	0.377	-1.6	115	0.00	9.74
36	Carbon Tetrachl ori de	0.352	0.360	-2.3	116	0.00	9.78
37 S	1, 2-Di chl oroethane-d4	0.337	0.330	2.1	110	0.00	9.88
38	1, 2-Di chl oroethane	0.480	0.467	2.7	110	0.00	9.96
39	Benzene	1.073	1.058	1.4	116	0.00	9.98
40	TAME	0.790	0.817	-3.4	114	0.00	9.99
41	Tri chl oroethene	0.303	0.293	3.3	115	0.00	10.63
42 C	1, 2-Di chl oropropane	0.348	0.340	2.3	113	0.00	10.87
43	Methyl cycl ohexane	0.455	0.462	-1.5	117	0.00	10.88
44	Di bromomethane	0.193	0.196	-1.6	115	0.00	11.01
45	Bromodi chl oromethane	0.431	0.440	-2.1	117	0.00	11.12
46	2-Ni trop propane	0.081	0.082	-1.2	105	0.00	11.31
47	2-Chl oroethyl vinyl ether	0.161	0.112	30.4#	72	0.00	11.34
48	ci s-1, 3-Di chl oropropene	0.489	0.507	-3.7	112	0.00	11.57
49	4-Methyl -2-pentanone	0.309	0.289	6.5	100	0.00	11.66
50 I	Chl orobenzene-d5	1.000	1.000	0.0	120	0.00	13.47
51 S	Tol uene-d8	1.301	1.240	4.7	118	0.00	11.89
		----- Amount	Cal c.	%Dri ft	-----		
52 C	Tol uene	40.000	41.430	-3.6	115	0.00	11.97
		----- AvgRF	CCRF	%Dev	-----		
53	trans-1, 3-Di chl oropropene	0.600	0.573	4.5	111	0.00	12.12
54	1, 1, 2-Tri chl oroethane	0.332	0.304	8.4	113	0.00	12.35
55	2-hexanone	0.294	0.244	17.0	90	0.00	12.52
56	1, 3-Di chl oropropane	0.620	0.572	7.7	111	0.00	12.54
		----- Amount	Cal c.	%Dri ft	-----		
57	Tetrachl oroethene	40.000	40.352	-0.9	114	0.00	12.58
		----- AvgRF	CCRF	%Dev	-----		
58	Di bromochl oromethane	0.420	0.400	4.8	115	0.00	12.83
59	1, 2-Di bromoethane	0.362	0.350	3.3	113	0.00	13.01
60	1-Chl orohexane	0.482	0.501	-3.9	117	0.00	13.36
61 P	Chl orobenzene	1.168	1.081	7.4	115	0.00	13.50
		----- Amount	Cal c.	%Dri ft	-----		
62	1, 1, 1, 2-Tetrachl oroethane	40.000	39.180	2.1	114	0.00	13.56
		----- AvgRF	CCRF	%Dev	-----		
63 C	Ethyl benzene	1.830	1.715	6.3	115	0.00	13.57
64	m, p-Xyl ene	1.406	1.327	5.6	115	0.00	13.67
65	o-Xyl ene	1.456	1.400	3.8	113	0.00	14.13
66	Styrene	1.022	1.056	-3.3	115	0.00	14.14
67 P	Bromoform	0.297	0.295	0.7	114	0.00	14.42
68 I	1, 4-Di chl orobenzene-d4	1.000	1.000	0.0	122	0.00	16.02
69	l sopropyl benzene	3.505	3.283	6.3	115	0.00	14.51
		----- Amount	Cal c.	%Dri ft	-----		
70	Cycl ohexanone	200.000	173.175	13.4	102	0.00	14.68

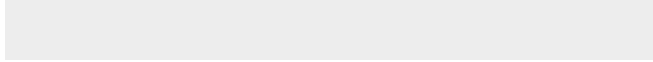
Continuing Calibration Summary

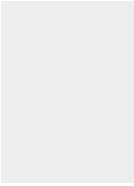
Job Number: F33465
 Account: TETFLTAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: VC1389-CC1377
 Lab FileID: C0034097.D

75	Bromobenzene	40.000	38.789	3.0	113	0.00	14.95
	----- AvgRF	CCRF	%Dev	-----			
76	n-Propyl benzene	4.181	3.869	7.5	114	0.00	14.96
77	1,3,5-Tri methyl benzene	2.711	2.578	4.9	117	0.00	15.12
	----- Amount	Cal c.	%Dri ft	-----			
78	2-Chl orotol uene	40.000	38.349	4.1	113	0.00	15.12
	----- AvgRF	CCRF	%Dev	-----			
79	4-Chl orotol uene	2.655	2.416	9.0	111	0.00	15.23
80	tert-Butyl benzene	2.019	1.908	5.5	112	0.00	15.51
81	1,2,4-Tri methyl benzene	2.836	2.686	5.3	113	0.00	15.56
82	sec-Butyl benzene	3.640	3.433	5.7	114	0.00	15.76
83	4-Isopropyl tol uene	2.876	2.786	3.1	114	0.00	15.88
84	1,3-Di chl orobenzene	1.790	1.571	12.2	108	0.00	15.96
	----- Amount	Cal c.	%Dri ft	-----			
85	1,4-Di chl orobenzene	40.000	38.334	4.2	107	0.00	16.04
	----- AvgRF	CCRF	%Dev	-----			
86	Benzyl chl ori de	1.421	1.385	2.5	111	0.00	16.16
87	n-Butyl benzene	2.735	2.627	3.9	111	0.00	16.33
88	1,2-Di chl orobenzene	1.795	1.521	15.3	105	0.00	16.48
	----- Amount	Cal c.	%Dri ft	-----			

4.6
4





Blank Spike Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13912-BS	F010471.D	1	07/25/05	NJ	07/25/05	OP13912	SF587

The QC reported here applies to the following samples:

Method: SW846 8270C

F33465-1, F33465-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	50	30.8	62	9-70

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	63%	19-90%
4165-62-2	Phenol-d5	45%	10-68%
118-79-6	2,4,6-Tribromophenol	85%	36-137%
4165-60-0	Nitrobenzene-d5	83%	49-119%
321-60-8	2-Fluorobiphenyl	83%	45-118%
1718-51-0	Terphenyl-d14	83%	46-135%

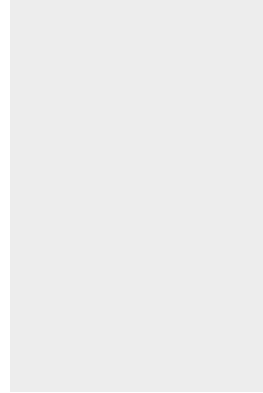
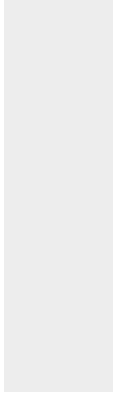
5.2
5

Instrument Performance Check (DFTPP)

Job Number: F33465

Account: TETFLTAM Tetra Tech NUS

Project:



Instrument Performance Check (DFTPP)

Job Number: F33465
 Account: TETFLTAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: SF587-DFTPP	Injection Date: 07/25/05
Lab File ID: F010469.D	Injection Time: 09:51
Instrument ID: GCMSF	

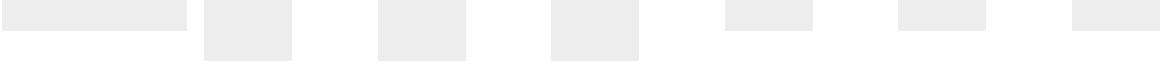
m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	87883	41.7	Pass
68	Less than 2.0% of mass 69	0	0.0 (0.0) ^a	Pass
69	Mass 69 relative abundance	88408	42.0	Pass
70	Less than 2.0% of mass 69	532	0.25 (0.6) ^a	Pass
127	40.0 - 60.0% of mass 198	103664	49.2	Pass
197	Less than 1.0% of mass 198	0	0.0	Pass
198	Base peak, 100% relative abundance	210730	100.0	Pass
199	5.0 - 9.0% of mass 198	14704	7.0	Pass
275	10.0 - 30.0% of mass 198	42853	20.3	Pass
365	1.0 - 100.0% of mass 198	3563	1.7	Pass
441	Present, but less than mass 443	17786	8.4 (73.1) ^b	Pass
442	40.0 - 100.0% of mass 198	122317	58.0	Pass
443	17.0 - 23.0% of mass 442	24345	11.6 (19.9) ^c	Pass

- (a) Value is % of mass 69
- (b) Value is % of mass 443
- (c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF587-CC580	F010470.D	07/25/05	10:11	00:20	Continuing cal 75
OP13912-BS	F010471.D	07/25/05	10:53	01:02	Blank Spike
OP13912-MB	F010472.D	07/25/05	11:23	01:32	Method Blank
ZZZZZZ	F010473.D	07/25/05	11:52	02:01	(unrelated sample)
ZZZZZZ	F010474.D	07/25/05	12:22	02:31	(unrelated sample)
F33465-1	F010475.D	07/25/05	12:52	03:01	TT-MW-124
F33465-2	F010476.D	07/25/05	13:22		

5.3
5



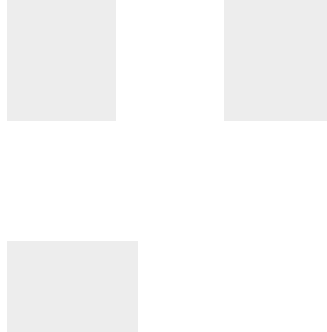
Semivolatile Surrogate Recovery Summary

Job Number: F33465

Account: TETFLTAM Tetra Tech NUS

Project: Former American Beryllium, Sarasota, FL

Method:



Initial Calibration Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample: SF580-ICC580
Lab FileID: F010292.D

Response Factor Report MS-F

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jul 14 13:35:24 2005
Response via : Initial Calibration

Calibration Files

5 =F010289.D 25 =F010290.D 50 =F010291.D 75 =F010292.D
100 =F010293.D 125 =F010294.D i cv =F010295.D

Compound	5	25	50	75	100	125	i cv	Avg	%RSD
1) 1,4-Di chlorobenzene-d									
2) 1,4-Di oxane	0.344	0.363	0.429	0.410	0.416	0.421		0.397	8.77
3) N-ni trosodi methyl	0.550	0.559	0.640	0.657	0.642	0.652		0.617	7.86
4) Pyri di ne	1.031	0.968	1.166	1.105	1.141	1.227		1.106	8.49

5.6
5

Initial Calibration Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project:

Sample: SF580-ICC580
Lab FileID: F010292.D

Initial Calibration Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS

Sample: SF580-ICC580

Initial Calibration Verification

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample: SF580-ICV580
Lab FileID: F010295.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\071405\F010295.D Vial : 8
Acq On : 14 Jul 2005 12:53 pm Operator: nareshj
Sample : icv580-50 Inst : MS-F
Misc : op13711, sf580, 1000, , , 1, 1, water Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)

5.6
5

Initial Calibration Verification

Job Number: F33465
 Account: TETFLTAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: SF580-ICV580
 Lab FileID: F010295.D

		Amount	Cal c.	%Dri ft			
41 I	Acenaphthene-d10	40.000	40.000	0.0	90	0.00	7.81
42 P	Hexachl orocycl opentadi ene	50.000	45.956	8.1	0	0.00	6.60
43 C	2, 4, 6-Tri chl orophenol	50.000	51.560	-3.1	0	0.00	6.78
44	2, 4, 5-Tri chl orophenol	50.000	50.913	-1.8	0	0.00	6.84
45 S	2-Fl uorobi phenyl			-----NA-----			
46	1, 1' -Bi phenyl	50.000	51.266	-2.5	0	0.00	7.01
47	2-Chl oronaphthal ene	50.000	50.225	-0.5	0	0.00	7.03
48	2-Ni troani line	50.000	47.962	4.1	0	0.00	7.20
49	Acenaphthyl ene	50.000	50.112	-0.2	0	0.00	7.60
50	Di methyl phthal ate	50.000	52.069	-4.1	0	-0.01	7.48
51	2, 6-Di ni trotol uene	50.000	49.785	0.4	0	0.00	7.56
52 C	Acenaphthene	50.000	50.520	-1.0	0	0.00	7.86
53	3-Ni troani line	50.000	26.575	46.9#	0	0.00	7.80
54 P	2, 4-Di ni trophenol	100.000	94.826	5.2	0	0.00	7.98
55	Di benzofuran	50.000	48.039	3.9	0	0.00	8.13
56	2, 4-Di ni trotol uene	50.000	51.372	-2.7	0	0.00	8.18
57 P	4-Ni trophenol	100.000	100.715	-0.7	0	0.00	8.18
58	2, 3, 4, 6-Tetrachl orophenol	50.000	47.411	5.2	0	0.00	8.36
59	Fl uorene	50.000	50.437	-0.9	0	0.00	8.68
60	4-Chl orophenyl -phenyl ethe	50.000	52.684	-5.4	0	0.00	8.72
61	Di ethyl phthal ate	50.000	52.195	-4.4	0	0.00	8.60
62	4-Ni troani line	50.000	43.973	12.1	0	0.00	8.80
63 I	Phenanthrene-d10	40.000	40.000	0.0	90	0.00	10.28
64	4, 6-Di ni tro-2-methyl pheno	100.000	108.701	-8.7	0	0.00	8.85
65 C	n-Ni trosodi phenyl ami ne	50.000	51.509	-3.0	0	0.00	8.94
66	1, 2-Di phenyl hydrazi ne	50.000	52.620	-5.2	0	0.00	8.99
67 S	2, 4, 6-Tri bromophenol			-----NA-----			
68	4-Bromophenyl -phenyl ether	50.000	52.003	-4.0	0	0.00	9.54
69	Hexachl orobenzene	50.000	51.441	-2.9	0	0.00	9.59
70	Atrazi ne	50.000	52.269	-4.5	0	0.00	9.96
71 C	Pentachl orophenol	100.000	102.061	-2.1	0	0.00	9.99
72	Phenanthrene	50.000	51.386	-2.8	0	0.00	10.32
73	Anthracene	50.000	49.569	0.9	0	0.00	10.41
74	Carbazol e	50.000	47.366	5.3	0	0.00	10.76
75	Di -n-butyl phthal ate	50.000	51.853	-3.7	0	0.00	11.55
76 C	Fl uoranthene	50.000	52.062	-4.1	0	0.00	12.48
77 I	Chrysene-d12	40.000	40.000	0.0	88	0.00	15.19
78	Benzi di ne			-----NA-----			
79	Pyrene	50.000	52.071	-4.1	0	0.00	12.88
80 S	Terphenyl -d14			-----NA-----			
81	Butyl benzyl phthal ate	50.000	53.149	-6.3	0	0.00	14.35
82	3, 3' -Di chl orobenzi di ne	50.000	1.596	96.8#	0	0.00	15.22
83	Benzo[a]anthracene	50.000	51.606	-3.2	0	0.00	15.16
84	Chrysene	50.000	53.016	-6.0	0	0.00	15.23
85	bi s(2-Ethyl hexyl)phthal at	50.000	54.316	-8.6	0	0.00	15.54

5.6
5

Initial Calibration Verification

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS
Project: Former American Beryllium, Sarasota, FL

Sample: SF580-ICV580
Lab FileID: F010295.D

86	I	Perylene-d12	40.000	40.000	0.0	87	0.00	17.68
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Continuing Calibration Summary

Job Number: F33465
 Account: TETFLTAM Tetra Tech NUS
 Project: Former American Beryllium, Sarasota, FL

Sample: SF587-CC580
 Lab FileID: F010470.D

41 I	Acenaphthene-d10	1.000	1.000	0.0	71	-0.04	7.71
	-----	Amount	Cal c.	%Dri ft	-----		
42 P	Hexachl orocycl opentadi ene	75.000	67.646	9.8	65	-0.03	6.51
	-----	AvgRF	CCRF	%Dev	-----		
43 C	2, 4, 6-Tri chl orophenol	0.389	0.404	-3.9	72	-0.04	6.69
44	2, 4, 5-Tri chl orophenol	0.413	0.420	-1.7	70	-0.04	6.75
45 S	2-Fl uorobi phenyl	1.397	1.455	-4.2	74	-0.04	6.80
46	1, 1' -Bi phenyl	1.512	1.554	-2.8	70	-0.04	6.92
47	2-Chl oronaphthal ene	1.181	1.218	-3.1	72	-0.04	6.93
48	2-Ni troani line	0.372	0.410	-10.2	76	-0.04	7.11
49	Acenaphthyl ene	1.991	2.099	-5.4	73	-0.04	7.51
50	Di methyl phthal ate	1.396	1.486	-6.4	75	-0.03	7.40
51	2, 6-Di ni trotol uene	0.326	0.346	-6.1	75	-0.04	7.47
52 C	Acenaphthene	1.198	1.268	-5.8	74	-0.04	7.77
53	3-Ni troani line	0.357	0.397	-11.2	78	-0.04	7.71
	-----	Amount	Cal c.	%Dri ft	-----		
54 P	2, 4-Di ni trophenol	75.000	82.036	-9.4	79	-0.04	7.89
	-----	AvgRF	CCRF	%Dev	-----		
55	Di benzofuran	1.706	1.786	-4.7	73	-0.04	8.04
56	2, 4-Di ni trotol uene	0.424	0.471	-11.1	78	-0.04	8.09
57 P	4-Ni trophenol	0.176	0.202	-14.8	78	-0.05	8.07
58	2, 3, 4, 6-Tetrachl orophenol	0.298	0.328	-10.1	73	-0.04	8.26
59	Fl uorene	1.390	1.484	-6.8	75	-0.04	8.58
60	4-Chl orophenyl -phenyl ethe	0.654	0.687	-5.0	74	-0.04	8.62
61	Di ethyl phthal ate	1.374	1.489	-8.4	76	-0.04	8.51
62	4-Ni troani line	0.356	0.412	-15.7	80	-0.04	8.70
63 I	Phenanthrene-d10	1.000	1.000	0.0	74	-0.05	10.16

Continuing Calibration Summary

Job Number: F33465
Account: TETFLTAM Tetra Tech NUS

Sample: SF587-CC580
Lab FileID: F010470.D