

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
 Data File : VD076924.D  
 Acq On : 04 Aug 2023 13:42  
 Operator : KP/SY  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025176

Quant Time: Aug 05 00:17:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	262148	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	271279	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	140458	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	156803	21.750	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery =	87.000%		
7) Chloroethane-d5	2.793	69	155641	23.353	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery =	93.400%		
11) 1,1-Dichloroethene-d2	3.916	65	37029	21.677	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery =	86.720%		
21) 2-Butanone-d5	6.981	46	67083	57.958	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery =	115.920%		
24) Chloroform-d	7.569	84	209166	24.503	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery =	98.000%		
26) 1,2-Dichloroethane-d4	8.228	65	107236	25.200	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery =	100.800%		
32) Benzene-d6	8.199	84	409407	24.004	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery =	96.000%		
36) 1,2-Dichloropropane-d6	9.210	67	128740	24.550	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery =	98.200%		
41) Toluene-d8	10.269	98	382326	24.449	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery =	97.800%		
43) trans-1,3-Dichloroprop...	10.522	79	58135	24.521	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery =	98.080%		
47) 2-Hexanone-d5	10.875	63	59824	59.722	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery =	119.440%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	135610	26.762	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery =	107.040%		
66) 1,2-Dichlorobenzene-d4	13.816	152	129910	25.299	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery =	101.200%		
Target Compounds						
2) Dichlorodifluoromethane	1.934	85	97735	22.493	ug/L	99
3) Chloromethane	2.146	50	152608	27.072	ug/L	99
5) Vinyl chloride	2.281	62	205156	25.450	ug/L	95
6) Bromomethane	2.687	94	142536	23.687	ug/L	100
8) Chloroethane	2.834	64	139640	25.732	ug/L	99
9) Trichlorofluoromethane	3.169	101	166162	24.895	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	106885	24.576	ug/L	96
12) 1,1-Dichloroethene	3.934	96	97605	25.310	ug/L	83
13) Acetone	4.016	43	91721	77.495	ug/L	98
14) Carbon disulfide	4.263	76	337136	25.188	ug/L	98
15) Methyl Acetate	4.563	43	54779	27.383	ug/L #	90
16) Methylene chloride	4.799	84	160233	29.139	ug/L	80
17) trans-1,2-Dichloroethene	5.310	96	109657	25.113	ug/L	86
18) Methyl tert-butyl Ether	5.322	73	261136	27.070	ug/L #	91
19) 1,1-Dichloroethane	6.110	63	186601	25.594	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	129216	26.509	ug/L	88
22) 2-Butanone	7.081	43	102125	61.671	ug/L	86
23) Bromochloromethane	7.422	128	59169	25.026	ug/L #	77
25) Chloroform	7.593	83	207313	25.962	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	130675	26.111	ug/L #	94
29) Cyclohexane	7.875	56	151016	25.288	ug/L	87
30) 1,1,1-Trichloroethane	7.787	97	168589	25.081	ug/L	96
31) Carbon tetrachloride	7.987	117	138722	25.216	ug/L	98
33) Benzene	8.252	78	458491	25.784	ug/L	100
34) Trichloroethene	9.028	95	114704	24.770	ug/L	98
35) Methylcyclohexane	9.275	83	185497	24.564	ug/L	92
37) 1,2-Dichloropropane	9.304	63	117681	26.052	ug/L #	97
38) Bromodichloromethane	9.581	83	160272	25.765	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	195181	26.773	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	164515	57.805	ug/L #	90
42) Toluene	10.334	91	494030	25.550	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	168174	26.395	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	106034	26.413	ug/L	95
46) Tetrachloroethene	10.810	164	86437	24.767	ug/L	97
48) 2-Hexanone	10.922	43	145763	66.598	ug/L #	88
49) Dibromochloromethane	11.075	129	117370	26.280	ug/L	99
50) 1,2-Dibromoethane	11.181	107	105740	27.006	ug/L	90
51) Chlorobenzene	11.610	112	322364	25.589	ug/L	96
52) Ethylbenzene	11.681	91	532065	25.823	ug/L	100
53) m,p-Xylene	11.792	106	206816	26.014	ug/L	97
54) o-Xylene	12.122	106	198030	25.899	ug/L	92
55) Styrene	12.134	104	367857	26.608	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	134120	27.012	ug/L	97
59) Bromoform	12.298	173	73682	26.451	ug/L	98
60) Isopropylbenzene	12.422	105	526603	26.069	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	87873	26.806	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	404047	26.256	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	407930	26.637	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	234469	25.433	ug/L	98
65) 1,4-Dichlorobenzene	13.534	146	243092	25.510	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	220640	25.530	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	18483	24.607	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	147389	25.548	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	129549	25.527	ug/L	99
71) Naphthalene	15.333	128	325833	27.306	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	120423	26.166	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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