

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050223\
 Data File : VD075974.D
 Acq On : 02 May 2023 20:00
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025145

Quant Time: May 03 02:52:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 03 02:37:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	346167	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	326541	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	168465	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	165758	21.827	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.320%		
7) Chloroethane-d5	2.799	69	150195	22.891	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.560%		
11) 1,1-Dichloroethene-d2	3.916	65	36802	21.020	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	84.080%		
21) 2-Butanone-d5	6.987	46	43728	66.329	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	132.660%		
24) Chloroform-d	7.563	84	213108	24.618	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.480%		
26) 1,2-Dichloroethane-d4	8.228	65	98006	26.512	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	106.040%		
32) Benzene-d6	8.198	84	443242	23.289	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	93.160%		
36) 1,2-Dichloropropane-d6	9.210	67	129106	24.508	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.040%		
41) Toluene-d8	10.269	98	413793	23.223	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	92.880%		
43) trans-1,3-Dichloroprop...	10.528	79	52784	24.241	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	96.960%		
47) 2-Hexanone-d5	10.875	63	38770	61.123	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	122.240%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	115901	28.752	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	115.000%		
66) 1,2-Dichlorobenzene-d4	13.816	152	135604	22.757	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	91.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	128346	26.895	ug/L	99
3) Chloromethane	2.146	50	211563	31.802	ug/L	97
5) Vinyl chloride	2.281	62	242799	27.926	ug/L	99
6) Bromomethane	2.693	94	122731	21.007	ug/L	99
8) Chloroethane	2.834	64	152366	27.097	ug/L	98
9) Trichlorofluoromethane	3.169	101	183929	26.328	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	129234	27.536	ug/L	97
12) 1,1-Dichloroethene	3.934	96	118712	26.082	ug/L	90
13) Acetone	4.028	43	32039	56.790	ug/L	99
14) Carbon disulfide	4.263	76	402076	25.291	ug/L	99
15) Methyl Acetate	4.569	43	40959	33.499	ug/L #	61
16) Methylene chloride	4.799	84	153316	21.832	ug/L	94
17) trans-1,2-Dichloroethene	5.310	96	130744	25.618	ug/L	91
18) Methyl tert-butyl Ether	5.322	73	236439	28.881	ug/L	99
19) 1,1-Dichloroethane	6.110	63	212846	28.468	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	147657	27.361	ug/L	97
22) 2-Butanone	7.087	43	50624	68.829	ug/L	92
23) Bromochloromethane	7.422	128	73287	29.283	ug/L #	91
25) Chloroform	7.593	83	231600	27.639	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	129862	30.024	ug/L	100
29) Cyclohexane	7.875	56	153505	27.460	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	180521	26.129	ug/L	99
31) Carbon tetrachloride	7.987	117	145905	26.323	ug/L	96
33) Benzene	8.251	78	541132	27.396	ug/L	100
34) Trichloroethene	9.028	95	127589	24.978	ug/L	92
35) Methylcyclohexane	9.275	83	201922	25.640	ug/L	97
37) 1,2-Dichloropropane	9.304	63	130781	28.824	ug/L	99
38) Bromodichloromethane	9.581	83	166975	27.293	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	195543	27.099	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	111489	67.395	ug/L	97
42) Toluene	10.334	91	591708	27.682	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	164678	28.409	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	108836	28.196	ug/L	97
46) Tetrachloroethene	10.810	164	112416	26.832	ug/L	98
48) 2-Hexanone	10.922	43	81440	69.833	ug/L	93
49) Dibromochloromethane	11.075	129	116505	27.725	ug/L	96
50) 1,2-Dibromoethane	11.181	107	99595	28.619	ug/L #	94
51) Chlorobenzene	11.610	112	380846	27.235	ug/L	98
52) Ethylbenzene	11.686	91	590344	26.933	ug/L	98
53) m,p-Xylene	11.792	106	239641	27.457	ug/L	98
54) o-Xylene	12.122	106	227595	27.455	ug/L	97
55) Styrene	12.134	104	415107	28.771	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	120505	30.683	ug/L	97
59) Bromoform	12.298	173	70270	27.216	ug/L	100
60) Isopropylbenzene	12.422	105	561306	25.128	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	76735	28.996	ug/L	99
62) 1,3,5-Trimethylbenzene	12.910	105	429198	25.767	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	423132	26.352	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	282197	26.403	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	292297	26.058	ug/L	100
67) 1,2-Dichlorobenzene	13.833	146	254591	26.673	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	15368	29.048	ug/L	88
69) 1,3,5-Trichlorobenzene	14.598	180	164732	22.995	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	136280	22.955	ug/L	99
71) Naphthalene	15.339	128	282129	25.969	ug/L	99
72) 1,2,3-Trichlorobenzene	15.527	180	132308	24.967	ug/L	98

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

