

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075416.D
 Acq On : 23 Feb 2023 16:24
 Operator : KP/SY
 Sample : VSTD10009
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD100109

Quant Time: Feb 23 23:41:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:38:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	94634	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	85809	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	44395	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	166770	88.949	ug/L	0.00
7) Chloroethane-d5	2.799	69	139385	87.919	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	63	267095	95.426	ug/L	0.00
21) 2-Butanone-d5	6.987	46	50913	182.095	ug/L	0.00
24) Chloroform-d	7.569	84	250029	91.654	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	126231	93.547	ug/L	0.00
32) Benzene-d6	8.204	84	488835	91.251	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	140941	88.514	ug/L	0.00
41) Toluene-d8	10.269	98	460172	95.011	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	61586	96.042	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	41532	198.158	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	101640	90.310	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	140016	89.343	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	167544	92.307	ug/L	98
3) Chloromethane	2.146	50	195810	90.269	ug/L	100
5) Vinyl chloride	2.281	62	225240	93.409	ug/L	97
6) Bromomethane	2.687	94	123387	102.800	ug/L	99
8) Chloroethane	2.834	64	142429	96.962	ug/L	98
9) Trichlorofluoromethane	3.175	101	258946	94.941	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	158168	96.588	ug/L	99
12) 1,1-Dichloroethene	3.940	96	138991	98.599	ug/L	98
13) Acetone	4.022	43	69289	182.829	ug/L	98
14) Carbon disulfide	4.275	76	408934	89.983	ug/L	100
15) Methyl Acetate	4.563	43	59603	102.395	ug/L #	83
16) Methylene chloride	4.805	84	142511	75.308	ug/L	98
17) trans-1,2-Dichloroethene	5.316	96	143729	98.917	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	324665	109.519	ug/L	99
19) 1,1-Dichloroethane	6.110	63	269970	96.478	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	163870	105.660	ug/L	92
22) 2-Butanone	7.081	43	85668	194.249	ug/L	98
23) Bromochloromethane	7.428	128	66053	96.230	ug/L	82
25) Chloroform	7.599	83	280929	97.833	ug/L	96
27) 1,2-Dichloroethane	8.328	62	178466	98.875	ug/L	98
29) Cyclohexane	7.881	56	246688	104.983	ug/L	99
30) 1,1,1-Trichloroethane	7.799	97	254982	97.701	ug/L	98
31) Carbon tetrachloride	7.993	117	220902	98.584	ug/L	100
33) Benzene	8.251	78	608975	99.018	ug/L	100
34) Trichloroethene	9.028	95	158995	97.237	ug/L	96
35) Methylcyclohexane	9.275	83	264474	100.966	ug/L	98
37) 1,2-Dichloropropane	9.304	63	159634	99.585	ug/L	99
38) Bromodichloromethane	9.587	83	204764	98.739	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	248879	106.977	ug/L	93
40) 4-Methyl-2-pentanone	10.163	43	187777	218.002	ug/L	97
42) Toluene	10.334	91	678026	104.066	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	210219	108.622	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	110583	98.731	ug/L	96
46) Tetrachloroethene	10.810	164	122847	95.222	ug/L	91
48) 2-Hexanone	10.922	43	135275	212.262	ug/L	99
49) Dibromochloromethane	11.075	129	134399	102.071	ug/L	98
50) 1,2-Dibromoethane	11.181	107	103649	100.149	ug/L #	99
51) Chlorobenzene	11.610	112	413227	100.005	ug/L	98
52) Ethylbenzene	11.687	91	773205	107.427	ug/L	99
53) m,p-Xylene	11.798	106	294336	108.457	ug/L	90
54) o-Xylene	12.122	106	285060	111.104	ug/L	95
55) Styrene	12.140	104	501524	112.506	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	124307	99.898	ug/L	97
59) Bromoform	12.304	173	80021	97.413	ug/L	97
60) Isopropylbenzene	12.422	105	799417	107.237	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	84257	96.206	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	639348	109.449	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	627364	111.410	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	319620	98.505	ug/L	100
65) 1,4-Dichlorobenzene	13.539	146	321294	97.018	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	284175	99.902	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	19200	97.304	ug/L	90
69) 1,3,5-Trichlorobenzene	14.598	180	218355	102.092	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	179688	104.427	ug/L	99
71) Naphthalene	15.333	128	347121	111.581	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	156497	105.462	ug/L	99

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

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