

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072763.D
 Acq On : 03 May 2022 12:35
 Operator : VA/SY
 Sample : VD0503SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0503SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 03 16:50:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	272119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	458924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	462684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	235118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198065	56.072	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.140%			
35) Dibromofluoromethane	7.908	113	184054	57.105	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.220%			
50) Toluene-d8	10.332	98	660740	57.150	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.300%			
62) 4-Bromofluorobenzene	12.620	95	251417	58.320	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	82999	22.072	ug/l	94
3) Chloromethane	2.209	50	80786	20.658	ug/l	99
4) Vinyl Chloride	2.344	62	73951	21.074	ug/l	94
5) Bromomethane	2.750	94	51912	23.224	ug/l	91
6) Chloroethane	2.909	64	46360	21.198	ug/l	100
7) Trichlorofluoromethane	3.267	101	136054	22.142	ug/l	96
8) Diethyl Ether	3.709	74	37461	21.265	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.085	101	82705	22.671	ug/l	98
10) Methyl Iodide	4.297	142	74222	20.273	ug/l	99
11) Tert butyl alcohol	5.185	59	53361	174.600	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	68109	20.757	ug/l	98
13) Acrolein	3.920	56	29946	133.285	ug/l	96
14) Allyl chloride	4.714	41	111378	21.025	ug/l	92
15) Acrylonitrile	5.414	53	93675	111.891	ug/l	97
16) Acetone	4.156	43	76729	108.143	ug/l	95
17) Carbon Disulfide	4.409	76	217146	21.047	ug/l	100
18) Methyl Acetate	4.714	43	46847	24.246	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	172059	21.873	ug/l	99
20) Methylene Chloride	4.961	84	105018	21.236	ug/l	89
21) trans-1,2-Dichloroethene	5.461	96	82364	21.887	ug/l	86
22) Diisopropyl ether	6.361	45	265088	22.748	ug/l	95
23) Vinyl Acetate	6.303	43	699732	108.696	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	151592	21.652	ug/l	99
25) 2-Butanone	7.208	43	112057	108.877	ug/l	96
26) 2,2-Dichloropropane	7.202	77	127812	21.594	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	93688	21.737	ug/l	91
28) Bromochloromethane	7.544	49	52651	20.166	ug/l #	81
29) Tetrahydrofuran	7.561	42	70224	107.046	ug/l	91
30) Chloroform	7.708	83	165187	22.298	ug/l	92
31) Cyclohexane	7.985	56	133010	21.541	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	139366	22.073	ug/l	97
36) 1,1-Dichloropropene	8.108	75	115453	22.030	ug/l	96
37) Ethyl Acetate	7.291	43	56495	23.450	ug/l	96
38) Carbon Tetrachloride	8.091	117	122070	22.438	ug/l	98
39) Methylcyclohexane	9.349	83	128820	21.191	ug/l	97
40) Benzene	8.344	78	335700	22.181	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	26038	18.151	ug/l #	81
42) 1,2-Dichloroethane	8.414	62	102961	22.575	ug/l	97
43) Isopropyl Acetate	8.444	43	98778	22.214	ug/l #	94
44) Trichloroethene	9.108	130	88690	21.904	ug/l	100
45) 1,2-Dichloropropane	9.385	63	88271	22.209	ug/l	99
46) Dibromomethane	9.467	93	50359	22.969	ug/l	98
47) Bromodichloromethane	9.655	83	125553	22.260	ug/l	95
48) Methyl methacrylate	9.449	41	49353	22.687	ug/l	89
49) 1,4-Dioxane	9.455	88	10534	426.663	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	268619	116.251	ug/l	98
52) Toluene	10.396	92	217376	23.025	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	117769	22.732	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	134938	22.419	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	68615	23.150	ug/l	97
56) Ethyl methacrylate	10.649	69	79510	22.784	ug/l #	88
57) 1,3-Dichloropropane	10.938	76	115055	22.621	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	181831	107.467	ug/l	97
59) 2-Hexanone	10.973	43	178438	114.765	ug/l	98
60) Dibromochloromethane	11.132	129	88194	23.637	ug/l	97
61) 1,2-Dibromoethane	11.238	107	63728	22.090	ug/l	93
64) Tetrachloroethene	10.867	164	71460	21.125	ug/l	96
65) Chlorobenzene	11.661	112	230143	21.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	87471	21.749	ug/l	98
67) Ethyl Benzene	11.738	91	403658	21.795	ug/l	97
68) m/p-Xylenes	11.843	106	318138	44.594	ug/l	99
69) o-Xylene	12.173	106	146741	22.024	ug/l	93
70) Styrene	12.185	104	261514	22.654	ug/l	96
71) Bromoform	12.349	173	49426	22.676	ug/l #	99
73) Isopropylbenzene	12.467	105	383623	20.971	ug/l	99
74) N-amyl acetate	12.279	43	95736	21.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	81200	21.990	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	57710m	22.012	ug/l	
77) Bromobenzene	12.749	156	93532	21.532	ug/l	96
78) n-propylbenzene	12.808	91	494657	21.455	ug/l	99
79) 2-Chlorotoluene	12.896	91	283355	21.039	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	335526	21.631	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	25471	22.341	ug/l	91
82) 4-Chlorotoluene	12.990	91	308641	21.933	ug/l	100
83) tert-Butylbenzene	13.208	119	277629	21.053	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	335654	21.649	ug/l	100
85) sec-Butylbenzene	13.390	105	425977	21.417	ug/l	99
86) p-Isopropyltoluene	13.502	119	349911	21.458	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	189961	21.708	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	188612	21.644	ug/l	99
89) n-Butylbenzene	13.826	91	335609	21.245	ug/l	99
90) Hexachloroethane	14.090	117	69349	20.759	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	165544	21.707	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	12331	21.066	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	94734	20.975	ug/l	99
94) Hexachlorobutadiene	15.249	225	50955	20.658	ug/l	97
95) Naphthalene	15.384	128	170463	20.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	85742	21.416	ug/l	99

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

