

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073091.D
 Acq On : 18 May 2022 11:28
 Operator : VA/SY
 Sample : VD0518SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0518SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 18 16:28:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	255666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	423976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	426246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	216075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180385	56.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.840%			
35) Dibromofluoromethane	7.908	113	171927	57.756	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.520%			
50) Toluene-d8	10.332	98	640252	59.287	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 118.580%			
62) 4-Bromofluorobenzene	12.620	95	225417	57.630	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	77293	24.177	ug/l	94
3) Chloromethane	2.209	50	78747	23.893	ug/l	97
4) Vinyl Chloride	2.350	62	72349	23.869	ug/l	93
5) Bromomethane	2.756	94	50061	23.253	ug/l	92
6) Chloroethane	2.909	64	43232	22.904	ug/l	95
7) Trichlorofluoromethane	3.268	101	130540	23.534	ug/l	99
8) Diethyl Ether	3.709	74	31863	20.993	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	78983	24.045	ug/l	98
10) Methyl Iodide	4.297	142	68440	20.651	ug/l	98
11) Tert butyl alcohol	5.197	59	36661	74.131	ug/l #	81
12) 1,1-Dichloroethene	4.067	96	68356	23.013	ug/l	90
13) Acrolein	3.920	56	31368	111.550	ug/l	94
14) Allyl chloride	4.709	41	101444	21.556	ug/l	90
15) Acrylonitrile	5.420	53	81491	112.022	ug/l	98
16) Acetone	4.156	43	63134	109.116	ug/l	90
17) Carbon Disulfide	4.409	76	229508	23.070	ug/l	100
18) Methyl Acetate	4.709	43	38566	22.889	ug/l #	79
19) Methyl tert-butyl Ether	5.479	73	153141	22.046	ug/l	91
20) Methylene Chloride	4.956	84	92365	21.995	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	81972	23.200	ug/l	89
22) Diisopropyl ether	6.361	45	227728	22.545	ug/l	94
23) Vinyl Acetate	6.303	43	603849	110.658	ug/l #	95
24) 1,1-Dichloroethane	6.256	63	139963	22.272	ug/l	95
25) 2-Butanone	7.208	43	98606	112.545	ug/l	93
26) 2,2-Dichloropropane	7.208	77	117045	21.999	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	85410	21.920	ug/l	91
28) Bromochloromethane	7.544	49	42621	19.799	ug/l #	80
29) Tetrahydrofuran	7.561	42	63914	113.368	ug/l	94
30) Chloroform	7.703	83	151823	22.579	ug/l	96
31) Cyclohexane	7.979	56	129382	22.465	ug/l #	87
32) 1,1,1-Trichloroethane	7.897	97	135061	23.446	ug/l	95
36) 1,1-Dichloropropene	8.103	75	114540	23.615	ug/l	97
37) Ethyl Acetate	7.285	43	45857	22.512	ug/l #	94
38) Carbon Tetrachloride	8.091	117	119580	24.097	ug/l	98
39) Methylcyclohexane	9.350	83	129071	22.821	ug/l	96
40) Benzene	8.344	78	320100	23.080	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24764	21.559	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	89487	22.167	ug/l	96
43) Isopropyl Acetate	8.444	43	84675	22.358	ug/l #	92
44) Trichloroethene	9.108	130	85224	22.718	ug/l	96
45) 1,2-Dichloropropane	9.385	63	82336	22.861	ug/l	93
46) Dibromomethane	9.467	93	44755	22.473	ug/l	95
47) Bromodichloromethane	9.655	83	118079	23.344	ug/l #	99
48) Methyl methacrylate	9.450	41	44800	23.848	ug/l	91
49) 1,4-Dioxane	9.455	88	9417	454.177	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	226342	114.522	ug/l	96
52) Toluene	10.397	92	207390	23.553	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	104065	22.558	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	123296	22.668	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	64204	23.619	ug/l	99
56) Ethyl methacrylate	10.649	69	69371	22.565	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	106949	23.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	136355	98.528	ug/l	98
59) 2-Hexanone	10.973	43	151653	116.156	ug/l	96
60) Dibromochloromethane	11.132	129	79449	23.525	ug/l	99
61) 1,2-Dibromoethane	11.238	107	59878	22.891	ug/l	96
64) Tetrachloroethene	10.867	164	73215	23.445	ug/l	95
65) Chlorobenzene	11.661	112	221195	22.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	82341	22.303	ug/l	98
67) Ethyl Benzene	11.738	91	376164	22.353	ug/l	95
68) m/p-Xylenes	11.844	106	303090	46.472	ug/l	98
69) o-Xylene	12.173	106	136557	22.705	ug/l	95
70) Styrene	12.185	104	241291	22.969	ug/l	98
71) Bromoform	12.349	173	45748	23.535	ug/l #	99
73) Isopropylbenzene	12.467	105	365863	22.338	ug/l	99
74) N-amyl acetate	12.279	43	82179	21.470	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	72377	22.415	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	53408m	21.865	ug/l	
77) Bromobenzene	12.749	156	89040	22.785	ug/l	94
78) n-propylbenzene	12.808	91	475932	23.140	ug/l	98
79) 2-Chlorotoluene	12.896	91	267032	22.286	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	320393	22.962	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	21155	20.767	ug/l	91
82) 4-Chlorotoluene	12.991	91	287420	22.665	ug/l	100
83) tert-Butylbenzene	13.208	119	264030	22.340	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	320572	23.093	ug/l	100
85) sec-Butylbenzene	13.390	105	410524	22.883	ug/l	99
86) p-Isopropyltoluene	13.502	119	338428	23.192	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	179921	22.401	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	177267	22.334	ug/l	99
89) n-Butylbenzene	13.826	91	322937	22.757	ug/l	98
90) Hexachloroethane	14.096	117	68277	22.518	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	159439	22.887	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	11624	23.160	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	88422	22.246	ug/l	98
94) Hexachlorobutadiene	15.249	225	50385	22.710	ug/l	94
95) Naphthalene	15.385	128	149976	20.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	78183	22.155	ug/l	99

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

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