

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072753.D
 Acq On : 02 May 2022 18:34
 Operator : VA/SY
 Sample : VD0502SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 08:36:33 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	289871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	501362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	493021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	198010	52.624	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.240%			
35) Dibromofluoromethane	7.909	113	181961	51.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.360%			
50) Toluene-d8	10.332	98	628148	49.732	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.620	95	243932	51.795	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	81657	20.386	ug/l	99
3) Chloromethane	2.209	50	84229	20.220	ug/l	96
4) Vinyl Chloride	2.344	62	74985	20.060	ug/l	98
5) Bromomethane	2.750	94	49013	20.403	ug/l	97
6) Chloroethane	2.915	64	48625	20.872	ug/l	97
7) Trichlorofluoromethane	3.268	101	139447	21.304	ug/l	99
8) Diethyl Ether	3.709	74	39668	21.139	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	83015	21.363	ug/l	96
10) Methyl Iodide	4.297	142	77993	19.999	ug/l	99
11) Tert butyl alcohol	5.209	59	44719	137.362	ug/l #	81
12) 1,1-Dichloroethene	4.062	96	71013	20.317	ug/l	95
13) Acrolein	3.921	56	30463	126.466	ug/l	100
14) Allyl chloride	4.709	41	119947	21.256	ug/l	93
15) Acrylonitrile	5.415	53	97119	108.900	ug/l	97
16) Acetone	4.162	43	69776	90.160	ug/l	99
17) Carbon Disulfide	4.403	76	224269	20.406	ug/l	99
18) Methyl Acetate	4.721	43	48244	23.431	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	186373	22.242	ug/l	96
20) Methylene Chloride	4.956	84	130451	25.959	ug/l #	82
21) trans-1,2-Dichloroethene	5.468	96	85865	21.420	ug/l	93
22) Diisopropyl ether	6.367	45	271894	21.903	ug/l #	88
23) Vinyl Acetate	6.303	43	747422	108.993	ug/l #	95
24) 1,1-Dichloroethane	6.256	63	157412	21.106	ug/l	98
25) 2-Butanone	7.209	43	116448	106.215	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	133153	21.118	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	97610	21.260	ug/l	91
28) Bromochloromethane	7.538	49	57013	20.499	ug/l	89
29) Tetrahydrofuran	7.562	42	76129	108.940	ug/l	93
30) Chloroform	7.703	83	167818	21.266	ug/l	97
31) Cyclohexane	7.979	56	132406	20.130	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	144678	21.511	ug/l	96
36) 1,1-Dichloropropene	8.109	75	116141	20.285	ug/l	95
37) Ethyl Acetate	7.285	43	55210	20.976	ug/l	96
38) Carbon Tetrachloride	8.091	117	127976	21.533	ug/l	95
39) Methylcyclohexane	9.350	83	133930	20.167	ug/l	99
40) Benzene	8.344	78	351266	21.245	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	31963	20.395	ug/l #	64
42) 1,2-Dichloroethane	8.414	62	106719	21.419	ug/l	97
43) Isopropyl Acetate	8.444	43	103888	21.385	ug/l	93
44) Trichloroethene	9.109	130	93822	21.210	ug/l	96
45) 1,2-Dichloropropane	9.385	63	93416	21.514	ug/l	97
46) Dibromomethane	9.473	93	50401	21.042	ug/l	95
47) Bromodichloromethane	9.656	83	132174	21.451	ug/l	97
48) Methyl methacrylate	9.450	41	48808	20.537	ug/l	90
49) 1,4-Dioxane	9.461	88	11799	437.448	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	275047	108.958	ug/l	95
52) Toluene	10.397	92	222764	21.598	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	121225	21.419	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	144094	21.914	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	70607	21.806	ug/l	97
56) Ethyl methacrylate	10.656	69	81350	21.338	ug/l	88
57) 1,3-Dichloropropane	10.938	76	122149	21.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	196045	106.060	ug/l	97
59) 2-Hexanone	10.973	43	179551	105.706	ug/l	95
60) Dibromochloromethane	11.126	129	89886	22.051	ug/l	97
61) 1,2-Dibromoethane	11.238	107	67988	21.572	ug/l	99
64) Tetrachloroethene	10.867	164	72552	20.128	ug/l	96
65) Chlorobenzene	11.661	112	235765	20.675	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	88852	20.733	ug/l	97
67) Ethyl Benzene	11.738	91	411520	20.853	ug/l	98
68) m/p-Xylenes	11.844	106	322938	42.481	ug/l	99
69) o-Xylene	12.167	106	148957	20.981	ug/l	96
70) Styrene	12.185	104	268039	21.790	ug/l	97
71) Bromoform	12.355	173	49420	21.278	ug/l #	98
73) Isopropylbenzene	12.467	105	392857	20.750	ug/l	100
74) N-amyl acetate	12.279	43	98178	20.823	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	79044	20.682	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	46149m	17.007	ug/l	
77) Bromobenzene	12.750	156	96315	21.423	ug/l	95
78) n-propylbenzene	12.808	91	499166	20.919	ug/l	100
79) 2-Chlorotoluene	12.897	91	289534	20.771	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	339228	21.131	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	24421	20.696	ug/l	92
82) 4-Chlorotoluene	12.991	91	308693	21.195	ug/l	100
83) tert-Butylbenzene	13.208	119	274039	20.078	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	343664	21.416	ug/l	99
85) sec-Butylbenzene	13.391	105	431110	20.943	ug/l	100
86) p-Isopropyltoluene	13.502	119	349334	20.698	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	190688	21.054	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	189936	21.059	ug/l	98
89) n-Butylbenzene	13.826	91	334322	20.448	ug/l	99
90) Hexachloroethane	14.097	117	71936	20.805	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	169911	21.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	11937	19.703	ug/l	93
93) 1,2,4-Trichlorobenzene	15.144	180	95596	20.450	ug/l	99
94) Hexachlorobutadiene	15.249	225	49944	19.563	ug/l	97
95) Naphthalene	15.385	128	171953	20.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	83836	20.231	ug/l	99

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

