

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042522\
 Data File : VD072704.D
 Acq On : 25 Apr 2022 13:03
 Operator : VA/SY
 Sample : VD0425SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0425SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2022
 Supervised By : Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 01:13:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	351527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	578332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	531152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	211467	49.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.460%		
35) Dibromofluoromethane	7.908	113	224061	49.853	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.700%		
50) Toluene-d8	10.332	98	743324	47.579	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.160%		
62) 4-Bromofluorobenzene	12.620	95	304757	49.948	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	46577	16.695	ug/l	96
3) Chloromethane	2.209	50	54010	20.931	ug/l	100
4) Vinyl Chloride	2.350	62	53810	18.748	ug/l	95
5) Bromomethane	2.750	94	38243	19.233	ug/l	91
6) Chloroethane	2.909	64	40307	21.208	ug/l	97
7) Trichlorofluoromethane	3.267	101	123427	20.383	ug/l	93
8) Diethyl Ether	3.709	74	34778	19.326	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	81067	20.074	ug/l	96
10) Methyl Iodide	4.297	142	63124	19.248	ug/l	99
11) Tert butyl alcohol	5.203	59	49846	221.966	ug/l #	85
12) 1,1-Dichloroethene	4.067	96	63470	20.102	ug/l	91
13) Acrolein	3.914	56	10620	106.569	ug/l	92
14) Allyl chloride	4.709	41	104312	19.517	ug/l	89
15) Acrylonitrile	5.408	53	91035	101.155	ug/l	96
16) Acetone	4.156	43	89483	112.851	ug/l	99
17) Carbon Disulfide	4.403	76	115957	19.354	ug/l	98
18) Methyl Acetate	4.709	43	37556	16.812	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	180720	19.610	ug/l	96
20) Methylene Chloride	4.961	84	102608	21.737	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	72283	19.228	ug/l	95
22) Diisopropyl ether	6.361	45	253770	20.005	ug/l #	91
23) Vinyl Acetate	6.297	43	660215	100.618	ug/l #	93
24) 1,1-Dichloroethane	6.255	63	155521	20.345	ug/l	99
25) 2-Butanone	7.197	43	114983	104.850	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	139173	20.498	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	92818	19.362	ug/l	92
28) Bromochloromethane	7.538	49	73624	22.479	ug/l #	78
29) Tetrahydrofuran	7.555	42	66010	99.699	ug/l #	88
30) Chloroform	7.702	83	170358	19.812	ug/l	99
31) Cyclohexane	7.979	56	112323	20.201	ug/l #	84
32) 1,1,1-Trichloroethane	7.897	97	152751	20.944	ug/l	95
36) 1,1-Dichloropropene	8.108	75	108603	19.608	ug/l	98
37) Ethyl Acetate	7.285	43	50039	21.012	ug/l #	92
38) Carbon Tetrachloride	8.091	117	130457	21.069	ug/l	99
39) Methylcyclohexane	9.349	83	119352	19.693	ug/l	95
40) Benzene	8.344	78	326096	20.775	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	22204m	17.083	ug/l	
42) 1,2-Dichloroethane	8.414	62	98361	20.502	ug/l	96
43) Isopropyl Acetate	8.444	43	92694	20.291	ug/l #	91
44) Trichloroethene	9.108	130	90411	20.289	ug/l	95
45) 1,2-Dichloropropane	9.379	63	89208	20.431	ug/l	97
46) Dibromomethane	9.467	93	46426	20.266	ug/l	97
47) Bromodichloromethane	9.655	83	133331	20.259	ug/l	96
48) Methyl methacrylate	9.449	41	47039	21.210	ug/l	90
49) 1,4-Dioxane	9.461	88	12012	440.802	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	249926	101.963	ug/l	92
52) Toluene	10.396	92	213798	20.503	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	117322	20.457	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	136619	20.149	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	72397	20.846	ug/l	98
56) Ethyl methacrylate	10.649	69	78526	19.142	ug/l	85
57) 1,3-Dichloropropane	10.932	76	118454	20.631	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	213557	124.552	ug/l	93
59) 2-Hexanone	10.979	43	169233	101.530	ug/l	92
60) Dibromochloromethane	11.132	129	88809	19.824	ug/l	99
61) 1,2-Dibromoethane	11.238	107	62368	20.226	ug/l	97
64) Tetrachloroethene	10.867	164	70194	20.227	ug/l	96
65) Chlorobenzene	11.661	112	245585	20.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	95770	20.172	ug/l	99
67) Ethyl Benzene	11.732	91	420383	20.288	ug/l	100
68) m/p-Xylenes	11.843	106	325387	41.392	ug/l	98
69) o-Xylene	12.167	106	155112	20.451	ug/l	95
70) Styrene	12.185	104	274875	20.563	ug/l	97
71) Bromoform	12.349	173	53084	21.091	ug/l #	99
73) Isopropylbenzene	12.467	105	430049	19.111	ug/l	99
74) N-amyl acetate	12.279	43	87939	18.625	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	83980	19.703	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	60500m	19.908	ug/l	
77) Bromobenzene	12.749	156	98735	19.576	ug/l	94
78) n-propylbenzene	12.808	91	517962	19.080	ug/l	98
79) 2-Chlorotoluene	12.896	91	300280	18.914	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	364519	18.914	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	24078	19.442	ug/l	93
82) 4-Chlorotoluene	12.996	91	320793	19.402	ug/l	98
83) tert-Butylbenzene	13.208	119	320732	19.223	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	364723	19.353	ug/l	100
85) sec-Butylbenzene	13.390	105	485062	19.301	ug/l	99
86) p-Isopropyltoluene	13.502	119	398279	19.389	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	199808	19.118	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	203352	19.305	ug/l	98
89) n-Butylbenzene	13.832	91	367868	18.799	ug/l	98
90) Hexachloroethane	14.096	117	80228	19.078	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	181153	19.652	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	13502	21.419	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	109794	19.216	ug/l	99
94) Hexachlorobutadiene	15.249	225	64214	20.064	ug/l	98
95) Naphthalene	15.384	128	195808	17.637	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	96378	19.326	ug/l	98

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

