

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072285.D
 Acq On : 18 Mar 2022 12:56
 Operator : VA/SY
 Sample : VD0318SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 05:22:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	348575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	555938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	513860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203414	52.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.720%			
35) Dibromofluoromethane	7.908	113	203825	52.100	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.200%			
50) Toluene-d8	10.332	98	739210	51.675	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.620	95	280572	50.479	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	59367	18.414	ug/l	98
3) Chloromethane	2.209	50	52578	18.352	ug/l	94
4) Vinyl Chloride	2.344	62	50181	18.146	ug/l	93
5) Bromomethane	2.756	94	35948	19.962	ug/l	92
6) Chloroethane	2.914	64	35659	19.503	ug/l	94
7) Trichlorofluoromethane	3.267	101	114089	18.268	ug/l	95
8) Diethyl Ether	3.703	74	31581	18.309	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	77261	19.402	ug/l	97
10) Methyl Iodide	4.297	142	44298	14.090	ug/l	100
11) Tert butyl alcohol	5.208	59	23426	104.006	ug/l	99
12) 1,1-Dichloroethene	4.061	96	56410	17.608	ug/l	91
13) Acrolein	3.920	56	17350	86.325	ug/l	96
14) Allyl chloride	4.709	41	96430	17.216	ug/l	96
15) Acrylonitrile	5.414	53	89007	102.269	ug/l	99
16) Acetone	4.150	43	84040	99.639	ug/l	94
17) Carbon Disulfide	4.403	76	90475	13.246	ug/l	95
18) Methyl Acetate	4.714	43	51324	24.831	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	171235	19.665	ug/l	91
20) Methylene Chloride	4.956	84	98544	19.714	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	62641	17.678	ug/l	92
22) Diisopropyl ether	6.367	45	261298	20.452	ug/l	92
23) Vinyl Acetate	6.303	43	604849	92.764	ug/l	96
24) 1,1-Dichloroethane	6.261	63	148652	19.729	ug/l	99
25) 2-Butanone	7.208	43	116865	103.920	ug/l	99
26) 2,2-Dichloropropane	7.203	77	124233	18.274	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	85630	18.929	ug/l	98
28) Bromochloromethane	7.544	49	58670	19.342	ug/l	84
29) Tetrahydrofuran	7.567	42	67193	101.613	ug/l	96
30) Chloroform	7.702	83	166405	20.731	ug/l	92
31) Cyclohexane	7.985	56	102144	16.830	ug/l #	88
32) 1,1,1-Trichloroethane	7.897	97	135624	19.024	ug/l	98
36) 1,1-Dichloropropene	8.108	75	96541	17.590	ug/l	95
37) Ethyl Acetate	7.285	43	48902	20.341	ug/l #	93
38) Carbon Tetrachloride	8.091	117	117202	18.787	ug/l	99
39) Methylcyclohexane	9.349	83	99151	16.054	ug/l	98
40) Benzene	8.344	78	292808	18.701	ug/l	100

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	25016	17.853	ug/l #	71
42) 1,2-Dichloroethane	8.420	62	94584	19.914	ug/l	97
43) Isopropyl Acetate	8.444	43	93499	20.037	ug/l #	94
44) Trichloroethene	9.108	130	80282	18.264	ug/l	97
45) 1,2-Dichloropropane	9.379	63	85766	19.973	ug/l	99
46) Dibromomethane	9.467	93	42281	20.017	ug/l	94
47) Bromodichloromethane	9.655	83	125157	20.325	ug/l	97
48) Methyl methacrylate	9.449	41	47831	21.467	ug/l	93
49) 1,4-Dioxane	9.449	88	10170	401.502	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	259783	105.999	ug/l	97
52) Toluene	10.402	92	194225	18.851	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	109855	19.526	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	129164	19.860	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	67440	20.959	ug/l	97
56) Ethyl methacrylate	10.655	69	74257	19.703	ug/l	91
57) 1,3-Dichloropropane	10.938	76	110998	20.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	155435	91.723	ug/l	95
59) 2-Hexanone	10.979	43	180648	106.722	ug/l	100
60) Dibromochloromethane	11.132	129	83665	20.038	ug/l	96
61) 1,2-Dibromoethane	11.238	107	56548	19.448	ug/l	97
64) Tetrachloroethene	10.873	164	66836	18.460	ug/l	92
65) Chlorobenzene	11.661	112	223197	19.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	92414	20.514	ug/l	98
67) Ethyl Benzene	11.738	91	382876	18.818	ug/l	98
68) m/p-Xylenes	11.843	106	293690	38.013	ug/l	98
69) o-Xylene	12.173	106	142006	19.216	ug/l	97
70) Styrene	12.185	104	258267	20.013	ug/l	98
71) Bromoform	12.349	173	50435	20.959	ug/l #	97
73) Isopropylbenzene	12.467	105	400698	19.053	ug/l	99
74) N-amyl acetate	12.279	43	90996	20.134	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	81350	21.628	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	60725m	20.743	ug/l	
77) Bromobenzene	12.749	156	93449	19.742	ug/l	94
78) n-propylbenzene	12.808	91	498678	19.521	ug/l	98
79) 2-Chlorotoluene	12.896	91	291727	19.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	362508	20.064	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	22405	18.989	ug/l	94
82) 4-Chlorotoluene	12.996	91	304884	19.934	ug/l	99
83) tert-Butylbenzene	13.214	119	304584	19.228	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	352158	19.781	ug/l	99
85) sec-Butylbenzene	13.390	105	466893	19.627	ug/l	99
86) p-Isopropyltoluene	13.502	119	387668	19.805	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	201882	20.350	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	196590	19.984	ug/l	99
89) n-Butylbenzene	13.832	91	366437	19.640	ug/l	99
90) Hexachloroethane	14.096	117	75606	19.707	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	172204	19.909	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12551	20.909	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	107168	18.715	ug/l	99
94) Hexachlorobutadiene	15.249	225	64273	19.295	ug/l	98
95) Naphthalene	15.384	128	189591	19.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	95024	19.171	ug/l	98

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

