

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072403.D
 Acq On : 24 Mar 2022 13:04
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 25 02:53:17 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	7.979	168	373447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	611697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	565965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	286840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	223112	53.609	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.220%			
35) Dibromofluoromethane	7.908	113	224491	52.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.300%			
50) Toluene-d8	10.338	98	809532	51.433	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.620	95	307648	50.304	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	68217	19.749	ug/l	97
3) Chloromethane	2.209	50	61102	19.907	ug/l	90
4) Vinyl Chloride	2.350	62	64632	21.815	ug/l	100
5) Bromomethane	2.750	94	42350	21.951	ug/l	96
6) Chloroethane	2.909	64	44683	22.810	ug/l	97
7) Trichlorofluoromethane	3.273	101	136629	20.420	ug/l	99
8) Diethyl Ether	3.709	74	40772	22.064	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	92506	21.683	ug/l	95
10) Methyl Iodide	4.297	142	61796	17.674	ug/l	98
11) Tert butyl alcohol	5.226	59	31611	130.998	ug/l	100
12) 1,1-Dichloroethene	4.067	96	68135	19.851	ug/l	91
13) Acrolein	3.915	56	20551	95.442	ug/l	99
14) Allyl chloride	4.714	41	127749	21.288	ug/l	95
15) Acrylonitrile	5.420	53	119027	127.654	ug/l	96
16) Acetone	4.156	43	113764	125.898	ug/l	99
17) Carbon Disulfide	4.414	76	100389	13.665	ug/l #	94
18) Methyl Acetate	4.720	43	66941	30.230	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	221235	23.715	ug/l	99
20) Methylene Chloride	4.962	84	111497	21.233	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	76299	20.098	ug/l	97
22) Diisopropyl ether	6.367	45	342339	25.011	ug/l	94
23) Vinyl Acetate	6.303	43	802955	114.946	ug/l	97
24) 1,1-Dichloroethane	6.261	63	187149	23.184	ug/l	99
25) 2-Butanone	7.208	43	156513	129.906	ug/l	92
26) 2,2-Dichloropropane	7.203	77	161491	22.172	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	105422	21.751	ug/l	98
28) Bromochloromethane	7.544	49	66517	20.468	ug/l	94
29) Tetrahydrofuran	7.561	42	89723	126.648	ug/l	97
30) Chloroform	7.708	83	206806	24.048	ug/l	99
31) Cyclohexane	7.979	56	124218	19.104	ug/l #	92
32) 1,1,1-Trichloroethane	7.903	97	170527	22.326	ug/l	100
36) 1,1-Dichloropropene	8.108	75	117958	19.534	ug/l	95
37) Ethyl Acetate	7.291	43	65219	24.655	ug/l #	98
38) Carbon Tetrachloride	8.097	117	144555	21.059	ug/l	96
39) Methylcyclohexane	9.355	83	125272	18.435	ug/l	99
40) Benzene	8.350	78	365889	21.238	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	38906	25.234	ug/l	92
42) 1,2-Dichloroethane	8.420	62	118144	22.607	ug/l	98
43) Isopropyl Acetate	8.450	43	129616	25.245	ug/l	95
44) Trichloroethene	9.108	130	98594	20.386	ug/l	93
45) 1,2-Dichloropropane	9.385	63	109153	23.102	ug/l	97
46) Dibromomethane	9.467	93	52973	22.793	ug/l	95
47) Bromodichloromethane	9.655	83	157766	23.285	ug/l	99
48) Methyl methacrylate	9.455	41	56000	22.843	ug/l #	83
49) 1,4-Dioxane	9.450	88	13646	489.624	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	354554	131.481	ug/l	98
52) Toluene	10.397	92	241585	21.311	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	138915	22.441	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	163445	22.840	ug/l	95
55) 1,1,2-Trichloroethane	10.791	97	88128	24.892	ug/l	98
56) Ethyl methacrylate	10.655	69	98995	23.872	ug/l	93
57) 1,3-Dichloropropane	10.938	76	141029	23.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	189320	101.535	ug/l	99
59) 2-Hexanone	10.979	43	245281	131.696	ug/l	98
60) Dibromochloromethane	11.132	129	107989	23.506	ug/l	100
61) 1,2-Dibromoethane	11.238	107	71998	22.505	ug/l	96
64) Tetrachloroethene	10.873	164	79616	19.966	ug/l	88
65) Chlorobenzene	11.661	112	283449	22.591	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	112440	22.662	ug/l	98
67) Ethyl Benzene	11.738	91	484584	21.624	ug/l	99
68) m/p-Xylenes	11.844	106	373688	43.915	ug/l	98
69) o-Xylene	12.173	106	180014	22.116	ug/l	96
70) Styrene	12.185	104	326840	22.996	ug/l	96
71) Bromoform	12.355	173	62474	23.571	ug/l #	97
73) Isopropylbenzene	12.473	105	511273	22.493	ug/l	99
74) N-amyl acetate	12.279	43	128197	26.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	102844	25.298	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	66023m	20.866	ug/l	
77) Bromobenzene	12.749	156	116176	22.708	ug/l	95
78) n-propylbenzene	12.814	91	637607	23.093	ug/l	100
79) 2-Chlorotoluene	12.896	91	367556	23.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	456033	23.353	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	30386	23.827	ug/l	98
82) 4-Chlorotoluene	12.996	91	379073	22.931	ug/l	100
83) tert-Butylbenzene	13.214	119	386342	22.566	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	443473	23.048	ug/l	100
85) sec-Butylbenzene	13.390	105	591670	23.013	ug/l	100
86) p-Isopropyltoluene	13.508	119	483632	22.860	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	243798	22.738	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	247112	23.241	ug/l	98
89) n-Butylbenzene	13.832	91	469278	23.271	ug/l	99
90) Hexachloroethane	14.096	117	96788	23.342	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	219025	23.429	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15083	23.248	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	138485	22.375	ug/l	99
94) Hexachlorobutadiene	15.255	225	80606	22.389	ug/l	97
95) Naphthalene	15.384	128	245055	22.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	121300	22.642	ug/l	99

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

