

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072182.D
 Acq On : 15 Mar 2022 12:04
 Operator : VA/SY
 Sample : VD0315SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Quant Time: Mar 15 17:43:31 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/17/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	341905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	547809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	515380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	275741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218166	57.256	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.520%			
35) Dibromofluoromethane	7.909	113	208441	54.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.140%			
50) Toluene-d8	10.332	98	763718	54.181	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.360%			
62) 4-Bromofluorobenzene	12.626	95	290324	53.008	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	59995	18.971	ug/l	94
3) Chloromethane	2.209	50	48360	17.209	ug/l	99
4) Vinyl Chloride	2.350	62	47940	17.673	ug/l	94
5) Bromomethane	2.756	94	33514	18.974	ug/l	96
6) Chloroethane	2.915	64	33720	18.802	ug/l	94
7) Trichlorofluoromethane	3.268	101	112599	18.381	ug/l	100
8) Diethyl Ether	3.715	74	31497	18.617	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	76395	19.559	ug/l	98
10) Methyl Iodide	4.303	142	47268	15.133	ug/l	98
11) Tert butyl alcohol	5.226	59	22080	99.942	ug/l	97
12) 1,1-Dichloroethene	4.068	96	55414	17.635	ug/l	92
13) Acrolein	3.926	56	19926	101.076	ug/l	97
14) Allyl chloride	4.709	41	98455	17.920	ug/l	94
15) Acrylonitrile	5.415	53	86377	101.184	ug/l	99
16) Acetone	4.150	43	80096	96.816	ug/l	94
17) Carbon Disulfide	4.409	76	92513	13.745	ug/l #	92
18) Methyl Acetate	4.715	43	46913	23.140	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	167618	19.625	ug/l	99
20) Methylene Chloride	4.962	84	88046	17.300	ug/l	92
21) trans-1,2-Dichloroethene	5.468	96	62794	18.067	ug/l	86
22) Diisopropyl ether	6.362	45	253792	20.252	ug/l #	94
23) Vinyl Acetate	6.303	43	599555	93.746	ug/l #	92
24) 1,1-Dichloroethane	6.262	63	147585	19.969	ug/l	98
25) 2-Butanone	7.209	43	112677	102.150	ug/l	100
26) 2,2-Dichloropropane	7.209	77	127751	19.158	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	84027	18.937	ug/l	94
28) Bromochloromethane	7.544	49	59996	20.165	ug/l	85
29) Tetrahydrofuran	7.561	42	64629	99.642	ug/l	93
30) Chloroform	7.709	83	162487	20.637	ug/l	100
31) Cyclohexane	7.985	56	99979	16.795	ug/l #	86
32) 1,1,1-Trichloroethane	7.897	97	134733	19.267	ug/l	98
36) 1,1-Dichloropropene	8.109	75	95006	17.568	ug/l	97
37) Ethyl Acetate	7.297	43	47829	20.190	ug/l #	96
38) Carbon Tetrachloride	8.097	117	115352	18.764	ug/l	99
39) Methylcyclohexane	9.350	83	97393	16.004	ug/l	99
40) Benzene	8.350	78	288370	18.691	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	31237	22.623	ug/l	93
42) 1,2-Dichloroethane	8.420	62	96851	20.694	ug/l	98
43) Isopropyl Acetate	8.450	43	94756	20.608	ug/l	98
44) Trichloroethene	9.108	130	80670	18.625	ug/l	95
45) 1,2-Dichloropropane	9.385	63	84412	19.949	ug/l	100
46) Dibromomethane	9.467	93	42790	20.558	ug/l	96
47) Bromodichloromethane	9.661	83	125865	20.743	ug/l	97
48) Methyl methacrylate	9.450	41	46590	21.221	ug/l	95
49) 1,4-Dioxane	9.456	88	10427	417.757	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	251217	104.025	ug/l	96
52) Toluene	10.397	92	192698	18.981	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	107819	19.449	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	125597	19.598	ug/l	95
55) 1,1,2-Trichloroethane	10.797	97	67004	21.132	ug/l	97
56) Ethyl methacrylate	10.655	69	72117	19.419	ug/l	92
57) 1,3-Dichloropropane	10.938	76	112297	21.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	169033	101.228	ug/l	95
59) 2-Hexanone	10.979	43	175531	105.237	ug/l	100
60) Dibromochloromethane	11.132	129	86917	21.126	ug/l	100
61) 1,2-Dibromoethane	11.238	107	57723	20.147	ug/l	98
64) Tetrachloroethene	10.873	164	67640	18.627	ug/l	97
65) Chlorobenzene	11.661	112	226790	19.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	93840	20.769	ug/l	98
67) Ethyl Benzene	11.738	91	380339	18.638	ug/l	97
68) m/p-Xylenes	11.844	106	293061	37.820	ug/l	99
69) o-Xylene	12.173	106	137298	18.524	ug/l	99
70) Styrene	12.191	104	256892	19.848	ug/l	97
71) Bromoform	12.349	173	51595	21.377	ug/l #	98
73) Isopropylbenzene	12.473	105	395784	18.113	ug/l	99
74) N-amyl acetate	12.279	43	91242	19.431	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	79748	20.406	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	55125m	18.123	ug/l	
77) Bromobenzene	12.749	156	94002	19.113	ug/l	94
78) n-propylbenzene	12.814	91	487768	18.378	ug/l	99
79) 2-Chlorotoluene	12.902	91	288260	18.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	358430	19.094	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	24014	19.588	ug/l	94
82) 4-Chlorotoluene	12.996	91	306048	19.259	ug/l	99
83) tert-Butylbenzene	13.214	119	303359	18.432	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	358091	19.360	ug/l	99
85) sec-Butylbenzene	13.391	105	465711	18.843	ug/l	100
86) p-Isopropyltoluene	13.508	119	385686	18.964	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	199724	19.377	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	201924	19.756	ug/l	100
89) n-Butylbenzene	13.832	91	362725	18.711	ug/l	100
90) Hexachloroethane	14.102	117	77229	19.375	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	179255	19.947	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12418	19.911	ug/l	86
93) 1,2,4-Trichlorobenzene	15.149	180	114892	19.311	ug/l	99
94) Hexachlorobutadiene	15.255	225	65515	18.930	ug/l	98
95) Naphthalene	15.385	128	192883	18.807	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	101119	19.635	ug/l	99

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

