

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072206.D
 Acq On : 16 Mar 2022 00:19
 Operator : VA/SY
 Sample : VD0315SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS02

Quant Time: Mar 16 01:05:41 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	7.973	168	415835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	722013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	663542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	339954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256779	55.409	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.820%			
35) Dibromofluoromethane	7.909	113	259645	51.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.200%			
50) Toluene-d8	10.332	98	934037	50.276	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.560%			
62) 4-Bromofluorobenzene	12.620	95	359128	49.750	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	65107	16.928	ug/l	96
3) Chloromethane	2.209	50	63656	18.625	ug/l	99
4) Vinyl Chloride	2.344	62	56750	17.202	ug/l	99
5) Bromomethane	2.756	94	43329	20.169	ug/l	94
6) Chloroethane	2.909	64	41657	19.098	ug/l	98
7) Trichlorofluoromethane	3.268	101	127679	17.137	ug/l	97
8) Diethyl Ether	3.709	74	43386	21.085	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	85100	17.914	ug/l	96
10) Methyl Iodide	4.303	142	59687	15.626	ug/l	96
11) Tert butyl alcohol	5.220	59	31829	118.456	ug/l #	89
12) 1,1-Dichloroethene	4.062	96	66884	17.501	ug/l	85
13) Acrolein	3.926	56	25956	108.256	ug/l	100
14) Allyl chloride	4.709	41	127886	19.139	ug/l	94
15) Acrylonitrile	5.415	53	124663	120.070	ug/l	96
16) Acetone	4.156	43	93110	92.537	ug/l	95
17) Carbon Disulfide	4.403	76	109770	13.446	ug/l	99
18) Methyl Acetate	4.715	43	68464	27.766	ug/l	92
19) Methyl tert-butyl Ether	5.473	73	230850	22.223	ug/l	96
20) Methylene Chloride	4.962	84	118256	19.874	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	75428	17.844	ug/l	97
22) Diisopropyl ether	6.362	45	341861	22.430	ug/l	91
23) Vinyl Acetate	6.303	43	825282	106.099	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	183819	20.450	ug/l	97
25) 2-Butanone	7.209	43	150242	111.990	ug/l	98
26) 2,2-Dichloropropane	7.209	77	140025	17.265	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	108467	20.098	ug/l	92
28) Bromochloromethane	7.538	49	77495	21.416	ug/l	87
29) Tetrahydrofuran	7.556	42	93879	119.006	ug/l	96
30) Chloroform	7.703	83	199873	20.872	ug/l	96
31) Cyclohexane	7.979	56	116048	16.028	ug/l #	84
32) 1,1,1-Trichloroethane	7.897	97	157653	18.537	ug/l	97
36) 1,1-Dichloropropene	8.109	75	114250	16.029	ug/l	97
37) Ethyl Acetate	7.285	43	65703	21.043	ug/l #	92
38) Carbon Tetrachloride	8.091	117	129534	15.987	ug/l	98
39) Methylcyclohexane	9.350	83	120084	14.971	ug/l	98
40) Benzene	8.344	78	360151	17.711	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	41822	22.981	ug/l	94
42) 1,2-Dichloroethane	8.420	62	118388	19.192	ug/l	97
43) Isopropyl Acetate	8.450	43	133886	22.093	ug/l	96
44) Trichloroethene	9.108	130	97345	17.052	ug/l	92
45) 1,2-Dichloropropane	9.379	63	108958	19.538	ug/l	93
46) Dibromomethane	9.467	93	55224	20.131	ug/l	95
47) Bromodichloromethane	9.656	83	158981	19.879	ug/l #	94
48) Methyl methacrylate	9.450	41	64960	22.449	ug/l	93
49) 1,4-Dioxane	9.461	88	13267	403.293	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	354895	111.499	ug/l	95
52) Toluene	10.397	92	240226	17.953	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	138041	18.892	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	161421	19.111	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	87563	20.953	ug/l	95
56) Ethyl methacrylate	10.655	69	107596	21.982	ug/l	88
57) 1,3-Dichloropropane	10.938	76	143412	20.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	214019	97.244	ug/l	97
59) 2-Hexanone	10.979	43	242429	110.277	ug/l	98
60) Dibromochloromethane	11.132	129	106553	19.650	ug/l	99
61) 1,2-Dibromoethane	11.238	107	76037	20.136	ug/l	98
64) Tetrachloroethene	10.867	164	81090	17.345	ug/l	93
65) Chlorobenzene	11.661	112	277603	18.871	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	114855	19.744	ug/l	99
67) Ethyl Benzene	11.738	91	475936	18.115	ug/l	98
68) m/p-Xylenes	11.844	106	361441	36.229	ug/l	98
69) o-Xylene	12.173	106	176652	18.512	ug/l	98
70) Styrene	12.185	104	321683	19.305	ug/l	97
71) Bromoform	12.355	173	66020	21.246	ug/l #	98
73) Isopropylbenzene	12.467	105	490795	18.218	ug/l	99
74) N-amyl acetate	12.279	43	127593	22.039	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	104416	21.672	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	77928m	20.781	ug/l	
77) Bromobenzene	12.749	156	117704	19.412	ug/l	93
78) n-propylbenzene	12.808	91	593660	18.142	ug/l	99
79) 2-Chlorotoluene	12.897	91	357952	18.918	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	438895	18.964	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	28774	19.038	ug/l	94
82) 4-Chlorotoluene	12.996	91	372916	19.034	ug/l	99
83) tert-Butylbenzene	13.214	119	366185	18.047	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	433609	19.015	ug/l	100
85) sec-Butylbenzene	13.391	105	548379	17.997	ug/l	99
86) p-Isopropyltoluene	13.502	119	451460	18.005	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	238639	18.779	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	244611	19.412	ug/l	99
89) n-Butylbenzene	13.832	91	422411	17.674	ug/l	100
90) Hexachloroethane	14.096	117	87925	17.892	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	217395	19.621	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	16616	21.609	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	136390	18.594	ug/l	98
94) Hexachlorobutadiene	15.249	225	75428	17.678	ug/l	99
95) Naphthalene	15.385	128	256588	20.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	119901	18.884	ug/l	98

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

