

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072239.D
 Acq On : 17 Mar 2022 12:24
 Operator : VA/SY
 Sample : VD0317SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0317SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 17 17:59:12 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	404969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	659430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	610655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	308607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235790	52.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.500%			
35) Dibromofluoromethane	7.908	113	232655	50.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.280%			
50) Toluene-d8	10.338	98	861380	50.765	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.626	95	319581	48.473	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	69115	18.452	ug/l	99
3) Chloromethane	2.209	50	60974	18.319	ug/l	91
4) Vinyl Chloride	2.350	62	60032	18.685	ug/l	96
5) Bromomethane	2.756	94	39705	18.978	ug/l	95
6) Chloroethane	2.915	64	42532	20.022	ug/l	99
7) Trichlorofluoromethane	3.267	101	135754	18.710	ug/l	96
8) Diethyl Ether	3.709	74	40441	20.181	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.085	101	88754	19.184	ug/l	96
10) Methyl Iodide	4.297	142	55688	15.064	ug/l	99
11) Tert butyl alcohol	5.214	59	30035	114.779	ug/l	99
12) 1,1-Dichloroethene	4.067	96	68219	18.329	ug/l	92
13) Acrolein	3.920	56	24712	105.833	ug/l	95
14) Allyl chloride	4.714	41	124395	19.116	ug/l	95
15) Acrylonitrile	5.420	53	108789	107.592	ug/l	98
16) Acetone	4.156	43	94566	96.506	ug/l	95
17) Carbon Disulfide	4.409	76	112167	14.034	ug/l	99
18) Methyl Acetate	4.714	43	61801	25.736	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	210906	20.848	ug/l	94
20) Methylene Chloride	4.956	84	117267	20.372	ug/l	88
21) trans-1,2-Dichloroethene	5.473	96	75313	18.294	ug/l	91
22) Diisopropyl ether	6.361	45	315823	21.278	ug/l	96
23) Vinyl Acetate	6.303	43	747873	98.727	ug/l	97
24) 1,1-Dichloroethane	6.261	63	176474	20.160	ug/l	99
25) 2-Butanone	7.214	43	138660	106.130	ug/l	94
26) 2,2-Dichloropropane	7.208	77	151386	19.167	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	102403	19.484	ug/l	96
28) Bromochloromethane	7.550	49	68976	19.573	ug/l	87
29) Tetrahydrofuran	7.561	42	81602	106.219	ug/l	94
30) Chloroform	7.708	83	191605	20.546	ug/l	99
31) Cyclohexane	7.985	56	126697	17.968	ug/l #	84
32) 1,1,1-Trichloroethane	7.903	97	161090	19.449	ug/l	97
36) 1,1-Dichloropropene	8.114	75	118208	18.158	ug/l	97
37) Ethyl Acetate	7.291	43	58804	20.621	ug/l #	94
38) Carbon Tetrachloride	8.097	117	135022	18.246	ug/l	96
39) Methylcyclohexane	9.350	83	123343	16.837	ug/l	93
40) Benzene	8.350	78	348271	18.752	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	34981	21.046	ug/l	90
42) 1,2-Dichloroethane	8.420	62	110549	19.622	ug/l	97
43) Isopropyl Acetate	8.450	43	117893	21.300	ug/l	97
44) Trichloroethene	9.108	130	96472	18.503	ug/l	96
45) 1,2-Dichloropropane	9.385	63	104013	20.421	ug/l	98
46) Dibromomethane	9.467	93	48671	19.426	ug/l	93
47) Bromodichloromethane	9.655	83	147786	20.233	ug/l #	97
48) Methyl methacrylate	9.455	41	56314	21.308	ug/l	93
49) 1,4-Dioxane	9.461	88	13635	453.816	ug/l	100
51) 4-Methyl-2-Pentanone	10.226	43	318626	109.605	ug/l	97
52) Toluene	10.397	92	235648	19.282	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	132827	19.904	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	151861	19.685	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	80458	21.080	ug/l	98
56) Ethyl methacrylate	10.655	69	89679	20.060	ug/l	90
57) 1,3-Dichloropropane	10.938	76	132765	20.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	212014	105.476	ug/l	98
59) 2-Hexanone	10.979	43	215577	107.369	ug/l	97
60) Dibromochloromethane	11.132	129	100614	20.315	ug/l	98
61) 1,2-Dibromoethane	11.238	107	66866	19.388	ug/l	98
64) Tetrachloroethene	10.867	164	78992	18.359	ug/l	98
65) Chlorobenzene	11.661	112	266898	19.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	109566	20.466	ug/l	98
67) Ethyl Benzene	11.738	91	467633	19.340	ug/l	99
68) m/p-Xylenes	11.849	106	356319	38.809	ug/l	99
69) o-Xylene	12.173	106	167087	19.026	ug/l	99
70) Styrene	12.185	104	304145	19.833	ug/l	98
71) Bromoform	12.355	173	58242	20.366	ug/l #	98
73) Isopropylbenzene	12.473	105	485640	19.858	ug/l	100
74) N-amyl acetate	12.279	43	114649	21.815	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	93591	21.398	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	75075m	22.054	ug/l	
77) Bromobenzene	12.749	156	108900	19.784	ug/l	94
78) n-propylbenzene	12.814	91	594948	20.029	ug/l	99
79) 2-Chlorotoluene	12.896	91	344257	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	429870	20.461	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	26895	19.602	ug/l	93
82) 4-Chlorotoluene	12.996	91	359827	20.232	ug/l	99
83) tert-Butylbenzene	13.214	119	365837	19.861	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	411030	19.855	ug/l	98
85) sec-Butylbenzene	13.390	105	562213	20.325	ug/l	100
86) p-Isopropyltoluene	13.502	119	461640	20.281	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	232252	20.133	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	232551	20.329	ug/l	100
89) n-Butylbenzene	13.832	91	438086	20.192	ug/l	99
90) Hexachloroethane	14.096	117	88798	19.905	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	207268	20.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	15632	22.395	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	129918	19.511	ug/l	99
94) Hexachlorobutadiene	15.255	225	75530	19.499	ug/l	98
95) Naphthalene	15.384	128	229391	19.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	113818	19.747	ug/l	99

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

