

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072141.D
 Acq On : 01 Mar 2022 17:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 06:09:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	506095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	834427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	774828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	379863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	287650	54.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.580%			
35) Dibromofluoromethane	7.908	113	272774	53.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.920%			
50) Toluene-d8	10.332	98	1040632	55.506	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.020%			
62) 4-Bromofluorobenzene	12.620	95	379081	55.045	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	207152	43.413	ug/l	94
3) Chloromethane	2.209	50	229721	53.163	ug/l	99
4) Vinyl Chloride	2.350	62	214754	49.853	ug/l	99
5) Bromomethane	2.767	94	134458	49.868	ug/l	98
6) Chloroethane	2.920	64	138579	50.896	ug/l	97
7) Trichlorofluoromethane	3.273	101	401312	48.153	ug/l	95
8) Diethyl Ether	3.709	74	129764	54.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	247634	47.558	ug/l	99
10) Methyl Iodide	4.303	142	240665	42.371	ug/l	98
11) Tert butyl alcohol	5.214	59	75454	251.907	ug/l #	96
12) 1,1-Dichloroethene	4.067	96	224612	48.566	ug/l	99
13) Acrolein	3.920	56	134495	227.706	ug/l	99
14) Allyl chloride	4.714	41	415695	51.287	ug/l	97
15) Acrylonitrile	5.408	53	330838	257.650	ug/l	99
16) Acetone	4.150	43	313150	276.012	ug/l	100
17) Carbon Disulfide	4.409	76	589134	45.819	ug/l	98
18) Methyl Acetate	4.714	43	147691	51.255	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	638227	56.726	ug/l	98
20) Methylene Chloride	4.961	84	288389	51.073	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	265820	51.152	ug/l	98
22) Diisopropyl ether	6.361	45	932638	55.104	ug/l	98
23) Vinyl Acetate	6.297	43	2624572	290.379	ug/l	100
24) 1,1-Dichloroethane	6.255	63	520179	51.661	ug/l	100
25) 2-Butanone	7.208	43	429232	273.729	ug/l	99
26) 2,2-Dichloropropane	7.202	77	429795	53.342	ug/l	100
27) cis-1,2-Dichloroethene	7.202	96	315119	52.926	ug/l	99
28) Bromochloromethane	7.544	49	235070	54.764	ug/l	100
29) Tetrahydrofuran	7.555	42	264171	263.970	ug/l	100
30) Chloroform	7.702	83	535761	51.824	ug/l	98
31) Cyclohexane	7.979	56	431719	46.559	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	457881	51.467	ug/l	98
36) 1,1-Dichloropropene	8.108	75	382569	49.957	ug/l	99
37) Ethyl Acetate	7.285	43	188087	52.965	ug/l	97
38) Carbon Tetrachloride	8.091	117	395195	50.349	ug/l	96
39) Methylcyclohexane	9.349	83	440013	49.093	ug/l	97
40) Benzene	8.344	78	1111030	51.415	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	118906	53.996	ug/l	95
42) 1,2-Dichloroethane	8.420	62	339261	52.339	ug/l	99
43) Isopropyl Acetate	8.444	43	362470	54.812	ug/l	98
44) Trichloroethene	9.108	130	299064	50.778	ug/l	100
45) 1,2-Dichloropropane	9.379	63	298134	51.722	ug/l	96
46) Dibromomethane	9.473	93	158527	52.114	ug/l	97
47) Bromodichloromethane	9.655	83	416569	53.087	ug/l	97
48) Methyl methacrylate	9.449	41	180975	54.176	ug/l	93
49) 1,4-Dioxane	9.461	88	37952	1051.715	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	947690	270.410	ug/l	99
52) Toluene	10.396	92	720110	52.073	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	400288	55.778	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	465889	54.851	ug/l	100
55) 1,1,2-Trichloroethane	10.791	97	224184	52.370	ug/l	98
56) Ethyl methacrylate	10.655	69	290448	56.817	ug/l	98
57) 1,3-Dichloropropane	10.938	76	388489	52.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	567796	248.273	ug/l	100
59) 2-Hexanone	10.973	43	688187	287.888	ug/l	98
60) Dibromochloromethane	11.132	129	280167	52.409	ug/l	97
61) 1,2-Dibromoethane	11.238	107	212296	51.896	ug/l	98
64) Tetrachloroethene	10.867	164	246053	50.299	ug/l	95
65) Chlorobenzene	11.661	112	771620	51.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	292981	52.567	ug/l	100
67) Ethyl Benzene	11.738	91	1397135	52.911	ug/l	100
68) m/p-Xylenes	11.843	106	1074250	106.274	ug/l	100
69) o-Xylene	12.173	106	517327	54.404	ug/l	98
70) Styrene	12.185	104	889352	54.500	ug/l	100
71) Bromoform	12.349	173	164047	51.320	ug/l #	99
73) Isopropylbenzene	12.473	105	1378534	52.855	ug/l	100
74) N-amyl acetate	12.279	43	340544	54.072	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	259801	50.382	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	171353m	47.622	ug/l	
77) Bromobenzene	12.755	156	313840	51.384	ug/l	97
78) n-propylbenzene	12.814	91	1660169	51.787	ug/l	100
79) 2-Chlorotoluene	12.896	91	960388	51.760	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1141425	52.411	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	83374	58.026	ug/l	96
82) 4-Chlorotoluene	12.996	91	990655	51.300	ug/l	99
83) tert-Butylbenzene	13.214	119	1000436	53.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1144017	53.436	ug/l	100
85) sec-Butylbenzene	13.390	105	1473249	51.685	ug/l	100
86) p-Isopropyltoluene	13.502	119	1230958	52.505	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	623260	50.481	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	616725	49.712	ug/l	99
89) n-Butylbenzene	13.832	91	1171746	52.560	ug/l	100
90) Hexachloroethane	14.102	117	226549	48.141	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	554292	51.195	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	40369	50.253	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	357989	53.829	ug/l	99
94) Hexachlorobutadiene	15.255	225	188028	51.416	ug/l	98
95) Naphthalene	15.384	128	690817	57.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	316533	55.179	ug/l	99

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

