

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072305.D
 Acq On : 18 Mar 2022 22:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 05:30:13 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	328526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	537630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	516932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	202912	55.422	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.840%			
35) Dibromofluoromethane	7.908	113	196188	51.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.720%			
50) Toluene-d8	10.332	98	700723	50.653	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.620	95	268162	49.889	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	128362	42.243	ug/l	96
3) Chloromethane	2.208	50	149671	55.430	ug/l	100
4) Vinyl Chloride	2.344	62	140185	53.785	ug/l	100
5) Bromomethane	2.756	94	97980	57.730	ug/l	92
6) Chloroethane	2.920	64	96397	55.939	ug/l	100
7) Trichlorofluoromethane	3.267	101	275401	46.789	ug/l	96
8) Diethyl Ether	3.708	74	89924	55.316	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	171201	45.616	ug/l	97
10) Methyl Iodide	4.297	142	128557	38.758	ug/l	99
11) Tert butyl alcohol	5.220	59	53544	252.230	ug/l	98
12) 1,1-Dichloroethene	4.061	96	148968	49.337	ug/l	95
13) Acrolein	3.920	56	44450	234.658	ug/l	97
14) Allyl chloride	4.714	41	279793	53.000	ug/l	94
15) Acrylonitrile	5.414	53	237561	289.616	ug/l	98
16) Acetone	4.155	43	172897	217.500	ug/l	97
17) Carbon Disulfide	4.403	76	340674	48.426	ug/l	99
18) Methyl Acetate	4.720	43	107404	55.134	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	460219	56.078	ug/l	99
20) Methylene Chloride	4.961	84	220285	56.870	ug/l	93
21) trans-1,2-Dichloroethene	5.461	96	180110	53.931	ug/l	91
22) Diisopropyl ether	6.361	45	689938	57.298	ug/l	96
23) Vinyl Acetate	6.302	43	1827647	297.408	ug/l	96
24) 1,1-Dichloroethane	6.255	63	382473	53.859	ug/l	99
25) 2-Butanone	7.208	43	280182	264.350	ug/l	94
26) 2,2-Dichloropropane	7.202	77	284297	44.370	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	232386	54.504	ug/l	93
28) Bromochloromethane	7.538	49	173925	60.837	ug/l	87
29) Tetrahydrofuran	7.561	42	188966	303.205	ug/l	96
30) Chloroform	7.708	83	404595	53.480	ug/l	98
31) Cyclohexane	7.979	56	271784	47.514	ug/l	91
32) 1,1,1-Trichloroethane	7.896	97	335377	49.913	ug/l	97
36) 1,1-Dichloropropene	8.108	75	262395	49.438	ug/l	98
37) Ethyl Acetate	7.291	43	137067	58.955	ug/l	96
38) Carbon Tetrachloride	8.091	117	280316	46.463	ug/l	97
39) Methylcyclohexane	9.349	83	288359	48.281	ug/l	99
40) Benzene	8.349	78	800976	52.898	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	79951	59.000	ug/l	94
42) 1,2-Dichloroethane	8.420	62	255716	55.672	ug/l	98
43) Isopropyl Acetate	8.449	43	255693	56.662	ug/l	97
44) Trichloroethene	9.108	130	212045	49.883	ug/l	96
45) 1,2-Dichloropropane	9.379	63	220457	53.088	ug/l	99
46) Dibromomethane	9.467	93	115975	56.775	ug/l	95
47) Bromodichloromethane	9.655	83	320350	53.795	ug/l	100
48) Methyl methacrylate	9.449	41	121106	56.205	ug/l #	83
49) 1,4-Dioxane	9.455	88	26774	1093.008	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	699228	295.020	ug/l	95
52) Toluene	10.396	92	523332	52.524	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	286948	52.740	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	333042	52.951	ug/l	92
55) 1,1,2-Trichloroethane	10.790	97	168389	54.114	ug/l	96
56) Ethyl methacrylate	10.655	69	212788	58.382	ug/l	89
57) 1,3-Dichloropropane	10.937	76	291659	55.846	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	470174	286.901	ug/l	100
59) 2-Hexanone	10.979	43	469632	286.893	ug/l	97
60) Dibromochloromethane	11.132	129	214994	53.245	ug/l	98
61) 1,2-Dibromoethane	11.237	107	156682	55.722	ug/l	99
64) Tetrachloroethene	10.873	164	170672	46.860	ug/l	96
65) Chlorobenzene	11.661	112	570896	49.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	223682	49.358	ug/l	98
67) Ethyl Benzene	11.737	91	1016028	49.639	ug/l	99
68) m/p-Xylenes	11.843	106	779126	100.245	ug/l	100
69) o-Xylene	12.173	106	381750	51.350	ug/l	96
70) Styrene	12.184	104	671310	51.712	ug/l	97
71) Bromoform	12.349	173	128395	53.038	ug/l #	99
73) Isopropylbenzene	12.473	105	1009371	47.730	ug/l	99
74) N-amyl acetate	12.279	43	250745	55.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	196093	51.847	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	152448m	51.788	ug/l	
77) Bromobenzene	12.749	156	239953	50.413	ug/l	93
78) n-propylbenzene	12.808	91	1231376	47.938	ug/l	98
79) 2-Chlorotoluene	12.896	91	728776	49.065	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	867580	47.754	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	58577	49.372	ug/l	93
82) 4-Chlorotoluene	12.996	91	743321	48.332	ug/l	99
83) tert-Butylbenzene	13.214	119	748915	47.019	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	855577	47.795	ug/l	99
85) sec-Butylbenzene	13.390	105	1105527	46.219	ug/l	99
86) p-Isopropyltoluene	13.502	119	925964	47.044	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	468691	46.984	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	470973	47.612	ug/l	99
89) n-Butylbenzene	13.831	91	854814	45.564	ug/l	99
90) Hexachloroethane	14.096	117	179663	46.573	ug/l	96
91) 1,2-Dichlorobenzene	13.878	146	423861	48.735	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32101	53.182	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	261743	45.457	ug/l	99
94) Hexachlorobutadiene	15.249	225	143240	42.765	ug/l	99
95) Naphthalene	15.384	128	523408	52.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	237201	47.591	ug/l	99

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

