

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072180.D
 Acq On : 15 Mar 2022 10:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 17:42:30 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	377004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	586792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	556767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	285418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	210557	50.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.220%			
35) Dibromofluoromethane	7.914	113	204408	49.502	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.000%			
50) Toluene-d8	10.332	98	748534	49.576	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.626	95	286108	48.768	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	174244	49.969	ug/l	99
3) Chloromethane	2.208	50	168292	54.312	ug/l	94
4) Vinyl Chloride	2.350	62	163735	54.742	ug/l	100
5) Bromomethane	2.767	94	111034	57.009	ug/l	97
6) Chloroethane	2.920	64	109643	55.444	ug/l	99
7) Trichlorofluoromethane	3.273	101	352538	52.192	ug/l	97
8) Diethyl Ether	3.708	74	94720	50.774	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	217557	50.513	ug/l	96
10) Methyl Iodide	4.297	142	178616	46.456	ug/l	100
11) Tert butyl alcohol	5.226	59	59308	243.457	ug/l	96
12) 1,1-Dichloroethene	4.067	96	182519	52.676	ug/l	92
13) Acrolein	3.926	56	49456	227.513	ug/l	99
14) Allyl chloride	4.714	41	314512	51.916	ug/l	94
15) Acrylonitrile	5.420	53	246255	261.611	ug/l	98
16) Acetone	4.150	43	233149	255.581	ug/l #	89
17) Carbon Disulfide	4.408	76	432176	53.375	ug/l	100
18) Methyl Acetate	4.720	43	108581	48.571	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	487606	51.775	ug/l	98
20) Methylene Chloride	4.961	84	233018	51.845	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	209621	54.697	ug/l	97
22) Diisopropyl ether	6.355	45	736909	53.329	ug/l	97
23) Vinyl Acetate	6.302	43	1989679	282.141	ug/l	96
24) 1,1-Dichloroethane	6.261	63	431895	52.998	ug/l	99
25) 2-Butanone	7.208	43	316827	260.487	ug/l	94
26) 2,2-Dichloropropane	7.208	77	373945	50.857	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	256522	52.428	ug/l	95
28) Bromochloromethane	7.543	49	177441	54.086	ug/l	86
29) Tetrahydrofuran	7.561	42	193985	271.234	ug/l	94
30) Chloroform	7.708	83	450762	51.921	ug/l	95
31) Cyclohexane	7.985	56	347616	52.956	ug/l	92
32) 1,1,1-Trichloroethane	7.902	97	397179	51.510	ug/l	97
36) 1,1-Dichloropropene	8.108	75	319466	55.148	ug/l	98
37) Ethyl Acetate	7.285	43	129616	51.080	ug/l #	95
38) Carbon Tetrachloride	8.091	117	349951	53.145	ug/l	98
39) Methylcyclohexane	9.355	83	369431	56.673	ug/l	97
40) Benzene	8.349	78	902185	54.591	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	80093	54.153	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	274675	54.789	ug/l	97
43) Isopropyl Acetate	8.449	43	267503	54.313	ug/l	95
44) Trichloroethene	9.108	130	244691	52.741	ug/l	98
45) 1,2-Dichloropropane	9.385	63	245044	54.065	ug/l	97
46) Dibromomethane	9.473	93	126133	56.574	ug/l	94
47) Bromodichloromethane	9.655	83	352849	54.288	ug/l	100
48) Methyl methacrylate	9.449	41	123556	52.538	ug/l #	84
49) 1,4-Dioxane	9.455	88	28528	1067.040	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	712715	275.517	ug/l	96
52) Toluene	10.402	92	603083	55.457	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	321584	54.154	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	376168	54.797	ug/l	91
55) 1,1,2-Trichloroethane	10.796	97	180512	53.149	ug/l	98
56) Ethyl methacrylate	10.655	69	221739	55.740	ug/l	87
57) 1,3-Dichloropropane	10.937	76	312942	54.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.937	63	472081	263.930	ug/l	97
59) 2-Hexanone	10.979	43	516076	288.852	ug/l	97
60) Dibromochloromethane	11.132	129	235301	53.391	ug/l	98
61) 1,2-Dibromoethane	11.237	107	166169	54.145	ug/l	99
64) Tetrachloroethene	10.873	164	206696	52.690	ug/l	96
65) Chlorobenzene	11.661	112	638212	51.705	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	252550	51.741	ug/l	100
67) Ethyl Benzene	11.737	91	1172106	53.167	ug/l	98
68) m/p-Xylenes	11.843	106	906878	108.334	ug/l	99
69) o-Xylene	12.173	106	432151	53.971	ug/l	96
70) Styrene	12.184	104	756634	54.114	ug/l	97
71) Bromoform	12.355	173	133986	51.388	ug/l #	99
73) Isopropylbenzene	12.473	105	1183324	52.318	ug/l	100
74) N-amyl acetate	12.279	43	263876	54.289	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	204844	50.639	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	170580m	54.180	ug/l	
77) Bromobenzene	12.749	156	269774	52.993	ug/l	93
78) n-propylbenzene	12.814	91	1452350	52.865	ug/l	98
79) 2-Chlorotoluene	12.896	91	826605	52.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1010111	51.984	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	65094	51.297	ug/l	92
82) 4-Chlorotoluene	12.996	91	863454	52.493	ug/l	99
83) tert-Butylbenzene	13.214	119	877323	51.500	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	993445	51.888	ug/l	100
85) sec-Butylbenzene	13.390	105	1327901	51.906	ug/l	99
86) p-Isopropyltoluene	13.508	119	1092170	51.881	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	550010	51.552	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	542960	51.321	ug/l	99
89) n-Butylbenzene	13.831	91	1051518	52.404	ug/l	99
90) Hexachloroethane	14.096	117	207147	50.206	ug/l	94
91) 1,2-Dichlorobenzene	13.878	146	481592	51.773	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	31866	49.360	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	309884	50.318	ug/l	99
94) Hexachlorobutadiene	15.249	225	178067	49.706	ug/l	97
95) Naphthalene	15.384	128	546064	51.438	ug/l	98
96) 1,2,3-Trichlorobenzene	15.578	180	270891	50.817	ug/l	100

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

