

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072329.D
 Acq On : 21 Mar 2022 09:47
 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 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 02:08:57 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	408883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	654229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	596242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	299735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	230780	50.646	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.300%			
35) Dibromofluoromethane	7.908	113	233059	50.623	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.240%			
50) Toluene-d8	10.332	98	838467	49.808	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.620	95	309917	47.381	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	174269	46.080	ug/l	97
3) Chloromethane	2.209	50	188830	56.189	ug/l	95
4) Vinyl Chloride	2.350	62	187618	57.837	ug/l	99
5) Bromomethane	2.768	94	125415	59.372	ug/l	99
6) Chloroethane	2.920	64	127481	59.438	ug/l	99
7) Trichlorofluoromethane	3.273	101	361089	49.290	ug/l	95
8) Diethyl Ether	3.709	74	106185	52.482	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	231601	49.581	ug/l	97
10) Methyl Iodide	4.297	142	177380	42.725	ug/l	98
11) Tert butyl alcohol	5.214	59	66720	252.529	ug/l	97
12) 1,1-Dichloroethene	4.067	96	195249	51.957	ug/l	87
13) Acrolein	3.914	56	31938	135.470	ug/l	99
14) Allyl chloride	4.709	41	354995	54.029	ug/l	93
15) Acrylonitrile	5.409	53	284885	279.054	ug/l	96
16) Acetone	4.150	43	280018	283.027	ug/l	94
17) Carbon Disulfide	4.409	76	450652	51.375	ug/l	99
18) Methyl Acetate	4.714	43	123706	51.022	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	537918	52.664	ug/l	100
20) Methylene Chloride	4.962	84	236015	47.931	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	226657	54.531	ug/l	99
22) Diisopropyl ether	6.361	45	830995	55.450	ug/l	93
23) Vinyl Acetate	6.297	43	2249845	294.160	ug/l	99
24) 1,1-Dichloroethane	6.256	63	465103	52.623	ug/l	99
25) 2-Butanone	7.203	43	379026	287.329	ug/l	96
26) 2,2-Dichloropropane	7.203	77	401796	50.384	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	276285	52.065	ug/l	96
28) Bromochloromethane	7.538	49	201336	56.585	ug/l	89
29) Tetrahydrofuran	7.555	42	221356	285.374	ug/l	94
30) Chloroform	7.708	83	479682	50.944	ug/l	96
31) Cyclohexane	7.979	56	367167	51.574	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	417602	49.936	ug/l	98
36) 1,1-Dichloropropene	8.108	75	336218	52.057	ug/l	97
37) Ethyl Acetate	7.285	43	157127	55.539	ug/l	97
38) Carbon Tetrachloride	8.091	117	358140	48.782	ug/l	98
39) Methylcyclohexane	9.350	83	385450	53.035	ug/l	99
40) Benzene	8.344	78	966055	52.430	ug/l	100

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41) Methacrylonitrile	7.514	41	98540	59.758	ug/l	94
42) 1,2-Dichloroethane	8.420	62	296297	53.010	ug/l	97
43) Isopropyl Acetate	8.444	43	303674	55.302	ug/l	96
44) Trichloroethene	9.108	130	258981	50.067	ug/l	98
45) 1,2-Dichloropropane	9.379	63	265024	52.446	ug/l	94
46) Dibromomethane	9.467	93	134230	54.000	ug/l	95
47) Bromodichloromethane	9.655	83	369718	51.020	ug/l	99
48) Methyl methacrylate	9.450	41	157667	60.132	ug/l	96
49) 1,4-Dioxane	9.450	88	31783	1066.249	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	813855	282.185	ug/l	96
52) Toluene	10.397	92	631771	52.107	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	345261	52.149	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	407084	53.188	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	195541	51.640	ug/l	98
56) Ethyl methacrylate	10.655	69	244813	55.197	ug/l	89
57) 1,3-Dichloropropane	10.938	76	337213	53.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	542685	272.129	ug/l	98
59) 2-Hexanone	10.973	43	597591	299.999	ug/l	97
60) Dibromochloromethane	11.132	129	250147	50.909	ug/l	97
61) 1,2-Dibromoethane	11.238	107	175237	51.214	ug/l	96
64) Tetrachloroethene	10.867	164	210821	50.184	ug/l	99
65) Chlorobenzene	11.661	112	678237	51.310	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	260807	49.895	ug/l	97
67) Ethyl Benzene	11.738	91	1209237	51.220	ug/l	98
68) m/p-Xylenes	11.844	106	936623	104.480	ug/l	99
69) o-Xylene	12.173	106	446887	52.116	ug/l	96
70) Styrene	12.185	104	781276	52.177	ug/l	97
71) Bromoform	12.349	173	143283	51.315	ug/l #	98
73) Isopropylbenzene	12.467	105	1215825	51.187	ug/l	99
74) N-amyl acetate	12.279	43	296366	58.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	220614	51.933	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	145783m	44.092	ug/l	
77) Bromobenzene	12.749	156	270914	50.675	ug/l	94
78) n-propylbenzene	12.808	91	1499367	51.969	ug/l	99
79) 2-Chlorotoluene	12.896	91	854669	51.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1029578	50.455	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	69154	51.894	ug/l	94
82) 4-Chlorotoluene	12.996	91	886521	51.321	ug/l	100
83) tert-Butylbenzene	13.214	119	903899	50.525	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1009958	50.231	ug/l	98
85) sec-Butylbenzene	13.390	105	1346634	50.124	ug/l	99
86) p-Isopropyltoluene	13.502	119	1123145	50.804	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	559163	49.906	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	553149	49.786	ug/l	99
89) n-Butylbenzene	13.832	91	1077764	51.147	ug/l	98
90) Hexachloroethane	14.096	117	221149	51.039	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	491760	50.341	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	33621	49.591	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	314469	48.624	ug/l	99
94) Hexachlorobutadiene	15.249	225	172787	45.929	ug/l	98
95) Naphthalene	15.384	128	576465	51.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	276093	49.319	ug/l	99

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

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