

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073207.D
 Acq On : 21 May 2022 02:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 21 03:54:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	301476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	530258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	514078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	251662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181375	54.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.880%			
35) Dibromofluoromethane	7.908	113	182437	52.140	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.280%			
50) Toluene-d8	10.332	98	673871	52.246	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.620	95	243729	53.845	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	115798	38.440	ug/l	99
3) Chloromethane	2.209	50	140420	41.223	ug/l	99
4) Vinyl Chloride	2.344	62	127632	40.976	ug/l	98
5) Bromomethane	2.762	94	98711	49.383	ug/l	98
6) Chloroethane	2.915	64	88396	46.164	ug/l	99
7) Trichlorofluoromethane	3.267	101	242651	44.057	ug/l	96
8) Diethyl Ether	3.709	74	75297	49.752	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	144666	44.022	ug/l	97
10) Methyl Iodide	4.297	142	157602	44.451	ug/l	99
11) Tert butyl alcohol	5.220	59	62582	121.067	ug/l #	95
12) 1,1-Dichloroethene	4.062	96	137244	45.299	ug/l	92
13) Acrolein	3.926	56	73596	368.971	ug/l	98
14) Allyl chloride	4.709	41	231293	47.294	ug/l	92
15) Acrylonitrile	5.409	53	187365	270.738	ug/l	98
16) Acetone	4.156	43	135255	234.374	ug/l	91
17) Carbon Disulfide	4.403	76	424384	42.254	ug/l	100
18) Methyl Acetate	4.714	43	87038	54.239	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	369804	53.578	ug/l	98
20) Methylene Chloride	4.961	84	211803	58.545	ug/l	84
21) trans-1,2-Dichloroethene	5.467	96	176511	48.184	ug/l	86
22) Diisopropyl ether	6.361	45	545367	53.197	ug/l	92
23) Vinyl Acetate	6.303	43	1475882	269.893	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	326639	49.637	ug/l	99
25) 2-Butanone	7.214	43	223358	264.546	ug/l	94
26) 2,2-Dichloropropane	7.203	77	235544	41.972	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	202376	49.928	ug/l	90
28) Bromochloromethane	7.538	49	119724	52.810	ug/l	84
29) Tetrahydrofuran	7.555	42	146729	268.763	ug/l	91
30) Chloroform	7.703	83	349478	50.870	ug/l	96
31) Cyclohexane	7.979	56	243736	41.863	ug/l	91
32) 1,1,1-Trichloroethane	7.903	97	282788	47.063	ug/l	97
36) 1,1-Dichloropropene	8.108	75	238297	45.283	ug/l	96
37) Ethyl Acetate	7.285	43	102586	49.353	ug/l #	94
38) Carbon Tetrachloride	8.091	117	242630	45.484	ug/l	99
39) Methylcyclohexane	9.350	83	250657	42.740	ug/l	99
40) Benzene	8.344	78	731643	48.241	ug/l	99

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41) Methacrylonitrile	7.520	41	54763	45.219	ug/l #	83
42) 1,2-Dichloroethane	8.414	62	213724	50.645	ug/l	96
43) Isopropyl Acetate	8.450	43	198298	51.612	ug/l #	91
44) Trichloroethene	9.108	130	191279	47.295	ug/l	95
45) 1,2-Dichloropropane	9.379	63	191174	50.052	ug/l	97
46) Dibromomethane	9.467	93	106430	50.736	ug/l	98
47) Bromodichloromethane	9.655	83	265923	49.544	ug/l	98
48) Methyl methacrylate	9.449	41	93525	48.384	ug/l #	80
49) 1,4-Dioxane	9.455	88	22330	1030.778	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	546048	273.641	ug/l	94
52) Toluene	10.397	92	466518	48.677	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	238047	49.091	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	291396	50.216	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	144439	50.918	ug/l	97
56) Ethyl methacrylate	10.649	69	172316	54.635	ug/l	86
57) 1,3-Dichloropropane	10.938	76	249642	52.449	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	399859	265.392	ug/l	95
59) 2-Hexanone	10.973	43	366125	278.295	ug/l	92
60) Dibromochloromethane	11.132	129	184716	52.222	ug/l	99
61) 1,2-Dibromoethane	11.238	107	142007	52.389	ug/l	99
64) Tetrachloroethene	10.867	164	150766	44.776	ug/l	96
65) Chlorobenzene	11.661	112	500014	47.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	197584	50.517	ug/l	99
67) Ethyl Benzene	11.738	91	898858	48.552	ug/l	98
68) m/p-Xylenes	11.843	106	711516	98.921	ug/l	97
69) o-Xylene	12.167	106	325827	49.311	ug/l	98
70) Styrene	12.185	104	586327	51.576	ug/l	97
71) Bromoform	12.349	173	104667	51.996	ug/l #	100
73) Isopropylbenzene	12.467	105	860838	47.982	ug/l	100
74) N-amyl acetate	12.279	43	197979	50.584	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	168118	50.809	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	137778m	55.798	ug/l	
77) Bromobenzene	12.749	156	205216	48.592	ug/l	94
78) n-propylbenzene	12.808	91	1062819	47.188	ug/l	99
79) 2-Chlorotoluene	12.896	91	621023	47.754	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	739909	48.686	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	51106	49.687	ug/l	87
82) 4-Chlorotoluene	12.990	91	654266	47.998	ug/l	99
83) tert-Butylbenzene	13.208	119	596192	46.547	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	741154	49.365	ug/l	99
85) sec-Butylbenzene	13.385	105	914282	46.748	ug/l	100
86) p-Isopropyltoluene	13.502	119	759548	47.643	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	407876	47.914	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	405044	47.136	ug/l	98
89) n-Butylbenzene	13.826	91	705383	46.436	ug/l	100
90) Hexachloroethane	14.096	117	156057	47.308	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	362422	49.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	24866	49.073	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	202400	48.403	ug/l	99
94) Hexachlorobutadiene	15.249	225	104768	44.462	ug/l	99
95) Naphthalene	15.384	128	391893	47.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	184115	49.666	ug/l	100

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

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