

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073143.D
 Acq On : 19 May 2022 16:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: May 20 01:48:56 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	361533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	605654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	571096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195518	48.935	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.880%		
35) Dibromofluoromethane	7.908	113	202493	50.668	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.340%		
50) Toluene-d8	10.332	98	759582	51.560	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.120%		
62) 4-Bromofluorobenzene	12.620	95	268707	51.973	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	165284	45.753	ug/l	98
3) Chloromethane	2.209	50	187066	45.794	ug/l	98
4) Vinyl Chloride	2.350	62	175089	46.874	ug/l	98
5) Bromomethane	2.762	94	126515	53.081	ug/l	95
6) Chloroethane	2.920	64	113022	49.220	ug/l	98
7) Trichlorofluoromethane	3.267	101	325086	49.219	ug/l	98
8) Diethyl Ether	3.709	74	92299	50.856	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	191597	48.618	ug/l	96
10) Methyl Iodide	4.297	142	212594	50.001	ug/l	98
11) Tert butyl alcohol	5.214	59	81593	131.624	ug/l #	94
12) 1,1-Dichloroethene	4.067	96	177954	48.979	ug/l	93
13) Acrolein	3.920	56	57156	232.216	ug/l	98
14) Allyl chloride	4.709	41	289826	49.418	ug/l	93
15) Acrylonitrile	5.414	53	216130	260.423	ug/l	98
16) Acetone	4.156	43	183931	265.776	ug/l #	89
17) Carbon Disulfide	4.403	76	581101	48.246	ug/l	98
18) Methyl Acetate	4.714	43	95969	49.870	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	434970	52.550	ug/l	99
20) Methylene Chloride	4.961	84	229288	52.428	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	222797	50.716	ug/l	87
22) Diisopropyl ether	6.356	45	632896	51.479	ug/l	96
23) Vinyl Acetate	6.303	43	1743174	265.818	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	384618	48.739	ug/l	99
25) 2-Butanone	7.208	43	263834	260.577	ug/l	91
26) 2,2-Dichloropropane	7.208	77	330709	49.140	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	240675	49.513	ug/l	92
28) Bromochloromethane	7.538	49	132161	48.612	ug/l #	83
29) Tetrahydrofuran	7.561	42	171119	261.370	ug/l	91
30) Chloroform	7.702	83	402602	48.868	ug/l	98
31) Cyclohexane	7.979	56	341141	48.859	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	350891	48.697	ug/l	96
36) 1,1-Dichloropropene	8.108	75	306412	50.978	ug/l	97
37) Ethyl Acetate	7.291	43	123250	51.913	ug/l #	94
38) Carbon Tetrachloride	8.091	117	307477	50.465	ug/l	98
39) Methylcyclohexane	9.349	83	357221	53.327	ug/l	96
40) Benzene	8.344	78	871038	50.283	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	63422	45.849	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	239690	49.728	ug/l	95
43) Isopropyl Acetate	8.444	43	230764	52.585	ug/l #	92
44) Trichloroethene	9.102	130	235626	51.008	ug/l	97
45) 1,2-Dichloropropane	9.379	63	217152	49.776	ug/l	98
46) Dibromomethane	9.467	93	119387	49.828	ug/l	97
47) Bromodichloromethane	9.655	83	303735	49.544	ug/l	97
48) Methyl methacrylate	9.449	41	123624	55.993	ug/l	91
49) 1,4-Dioxane	9.449	88	25289	1022.046	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	616801	270.618	ug/l	95
52) Toluene	10.396	92	566182	51.722	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	283282	51.147	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	340734	51.409	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	165112	50.960	ug/l	96
56) Ethyl methacrylate	10.649	69	200340	55.613	ug/l	88
57) 1,3-Dichloropropane	10.938	76	280097	51.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	421898	246.809	ug/l	96
59) 2-Hexanone	10.973	43	420627	279.921	ug/l	94
60) Dibromochloromethane	11.132	129	205458	50.855	ug/l	99
61) 1,2-Dibromoethane	11.238	107	157950	51.016	ug/l	98
64) Tetrachloroethene	10.867	164	188590	50.418	ug/l	93
65) Chlorobenzene	11.661	112	588201	50.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	219975	50.626	ug/l	98
67) Ethyl Benzene	11.732	91	1084715	52.741	ug/l	99
68) m/p-Xylenes	11.843	106	845330	105.792	ug/l	97
69) o-Xylene	12.173	106	389025	52.997	ug/l	95
70) Styrene	12.185	104	679495	53.804	ug/l	97
71) Bromoform	12.349	173	115640	51.711	ug/l #	99
73) Isopropylbenzene	12.467	105	1042097	53.740	ug/l	100
74) N-amyl acetate	12.279	43	226017	53.428	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	182683	51.080	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	131535m	49.284	ug/l	
77) Bromobenzene	12.749	156	234850	51.448	ug/l	93
78) n-propylbenzene	12.808	91	1290325	53.003	ug/l	99
79) 2-Chlorotoluene	12.896	91	729924	51.929	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	884565	53.850	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	59171	53.225	ug/l	86
82) 4-Chlorotoluene	12.990	91	764994	51.923	ug/l	98
83) tert-Butylbenzene	13.208	119	751375	54.274	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	867542	53.460	ug/l	99
85) sec-Butylbenzene	13.390	105	1127439	53.335	ug/l	99
86) p-Isopropyltoluene	13.502	119	918457	53.300	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	470502	51.136	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	464555	50.017	ug/l	99
89) n-Butylbenzene	13.826	91	886958	54.022	ug/l	98
90) Hexachloroethane	14.096	117	181520	50.910	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	411333	51.669	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	28385	51.827	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	243879	53.960	ug/l	99
94) Hexachlorobutadiene	15.249	225	131400	51.593	ug/l	97
95) Naphthalene	15.384	128	451188	50.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	212001	52.910	ug/l	100

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

