

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073138.D
 Acq On : 19 May 2022 14:05
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: May 20 01:47:51 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	355348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	587250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	547396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186725	47.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.100%		
35) Dibromofluoromethane	7.914	113	195134	50.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.720%		
50) Toluene-d8	10.332	98	730984	51.173	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.340%		
62) 4-Bromofluorobenzene	12.620	95	251454	50.160	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	155900	43.906	ug/l	97
3) Chloromethane	2.209	50	175672	43.753	ug/l	100
4) Vinyl Chloride	2.350	62	170816	46.526	ug/l	99
5) Bromomethane	2.768	94	119422	50.803	ug/l	93
6) Chloroethane	2.921	64	106076	46.999	ug/l	99
7) Trichlorofluoromethane	3.273	101	303808	46.798	ug/l	98
8) Diethyl Ether	3.709	74	87800	49.219	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	179044	46.223	ug/l	96
10) Methyl Iodide	4.297	142	207861	49.739	ug/l	98
11) Tert butyl alcohol	5.209	59	79228	130.033	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	172244	48.232	ug/l	88
13) Acrolein	3.920	56	58020	240.455	ug/l	99
14) Allyl chloride	4.715	41	279121	48.421	ug/l	91
15) Acrylonitrile	5.414	53	198713	243.605	ug/l	97
16) Acetone	4.156	43	147158	216.341	ug/l #	88
17) Carbon Disulfide	4.409	76	554813	46.865	ug/l	100
18) Methyl Acetate	4.715	43	87897	46.470	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	401175	49.311	ug/l	98
20) Methylene Chloride	4.962	84	209445	48.418	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	208813	48.361	ug/l	93
22) Diisopropyl ether	6.362	45	607136	50.243	ug/l	93
23) Vinyl Acetate	6.297	43	1615036	250.565	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	366482	47.249	ug/l	97
25) 2-Butanone	7.208	43	233864	234.997	ug/l	93
26) 2,2-Dichloropropane	7.203	77	312005	47.168	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	232409	48.644	ug/l	91
28) Bromochloromethane	7.544	49	130847	48.966	ug/l #	83
29) Tetrahydrofuran	7.561	42	156413	243.066	ug/l	92
30) Chloroform	7.708	83	384139	47.438	ug/l	99
31) Cyclohexane	7.979	56	320349	46.680	ug/l	90
32) 1,1,1-Trichloroethane	7.903	97	335651	47.393	ug/l	96
36) 1,1-Dichloropropene	8.108	75	286200	49.108	ug/l	95
37) Ethyl Acetate	7.291	43	110434	47.972	ug/l	95
38) Carbon Tetrachloride	8.091	117	295549	50.028	ug/l	98
39) Methylcyclohexane	9.350	83	332230	51.151	ug/l	97
40) Benzene	8.344	78	819847	48.811	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	57474	42.852	ug/l #	82
42) 1,2-Dichloroethane	8.420	62	228688	48.932	ug/l	97
43) Isopropyl Acetate	8.444	43	212273	49.888	ug/l #	93
44) Trichloroethene	9.108	130	220642	49.261	ug/l	99
45) 1,2-Dichloropropane	9.379	63	208265	49.235	ug/l	96
46) Dibromomethane	9.467	93	113089	48.678	ug/l	96
47) Bromodichloromethane	9.655	83	289874	48.765	ug/l	100
48) Methyl methacrylate	9.450	41	107058	50.010	ug/l	90
49) 1,4-Dioxane	9.450	88	23423	976.299	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	556237	251.694	ug/l	95
52) Toluene	10.397	92	540989	50.969	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	262790	48.935	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	319358	49.694	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	153435	48.840	ug/l	98
56) Ethyl methacrylate	10.650	69	186557	53.410	ug/l	86
57) 1,3-Dichloropropane	10.938	76	264129	50.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	386997	234.654	ug/l	95
59) 2-Hexanone	10.973	43	372522	255.677	ug/l	93
60) Dibromochloromethane	11.132	129	191469	48.878	ug/l	99
61) 1,2-Dibromoethane	11.238	107	145896	48.600	ug/l	98
64) Tetrachloroethene	10.867	164	175299	48.894	ug/l	94
65) Chlorobenzene	11.661	112	552105	49.165	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	207329	49.782	ug/l	99
67) Ethyl Benzene	11.738	91	1014479	51.461	ug/l	99
68) m/p-Xylenes	11.844	106	802100	104.728	ug/l	97
69) o-Xylene	12.173	106	364543	51.812	ug/l	97
70) Styrene	12.185	104	636611	52.591	ug/l	98
71) Bromoform	12.349	173	105530	49.233	ug/l #	99
73) Isopropylbenzene	12.467	105	974867	52.410	ug/l	100
74) N-amyl acetate	12.279	43	207544	51.147	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	168240	49.042	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	119868m	46.822	ug/l	
77) Bromobenzene	12.749	156	217754	49.731	ug/l	93
78) n-propylbenzene	12.808	91	1220407	52.262	ug/l	99
79) 2-Chlorotoluene	12.896	91	687183	50.966	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	821653	52.146	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	54563	51.166	ug/l	89
82) 4-Chlorotoluene	12.991	91	724018	51.231	ug/l	99
83) tert-Butylbenzene	13.208	119	689437	51.917	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	802910	51.581	ug/l	97
85) sec-Butylbenzene	13.391	105	1046374	51.604	ug/l	99
86) p-Isopropyltoluene	13.502	119	863026	52.213	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	439621	49.811	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	433491	48.657	ug/l	99
89) n-Butylbenzene	13.826	91	828449	52.603	ug/l	99
90) Hexachloroethane	14.096	117	169259	49.489	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	381321	49.935	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25383	48.316	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	224126	51.697	ug/l	99
94) Hexachlorobutadiene	15.249	225	117205	47.975	ug/l	98
95) Naphthalene	15.385	128	399697	47.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	197484	51.382	ug/l	99

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

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