

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073336.D
 Acq On : 24 May 2022 20:38
 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 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 25 05:30:13 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	321574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	525936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	510756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	249229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	183503	51.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.280%			
35) Dibromofluoromethane	7.908	113	193754	55.829	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.660%			
50) Toluene-d8	10.332	98	705787	55.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.340%			
62) 4-Bromofluorobenzene	12.620	95	253243	56.407	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	124832	38.849	ug/l	96
3) Chloromethane	2.209	50	137102	37.733	ug/l	97
4) Vinyl Chloride	2.344	62	133866	40.291	ug/l	98
5) Bromomethane	2.762	94	95868	44.571	ug/l	96
6) Chloroethane	2.915	64	88035	43.102	ug/l	95
7) Trichlorofluoromethane	3.268	101	259446	44.162	ug/l	95
8) Diethyl Ether	3.709	74	77840	48.218	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	159919	45.622	ug/l	94
10) Methyl Iodide	4.297	142	160697	42.491	ug/l	99
11) Tert butyl alcohol	5.203	59	80914	146.748	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	144894	44.835	ug/l	85
13) Acrolein	3.920	56	50721	231.634	ug/l	98
14) Allyl chloride	4.709	41	239542	45.920	ug/l #	90
15) Acrylonitrile	5.414	53	187414	253.883	ug/l	97
16) Acetone	4.156	43	138008	224.198	ug/l	96
17) Carbon Disulfide	4.403	76	398987	37.242	ug/l	99
18) Methyl Acetate	4.714	43	84163	49.169	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	373661	50.753	ug/l	99
20) Methylene Chloride	4.956	84	211521	54.537	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	177905	45.530	ug/l	90
22) Diisopropyl ether	6.361	45	553259	50.593	ug/l #	93
23) Vinyl Acetate	6.303	43	1502650	257.614	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	323340	46.065	ug/l	99
25) 2-Butanone	7.203	43	223678	248.368	ug/l	93
26) 2,2-Dichloropropane	7.203	77	265395	44.336	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	209721	48.506	ug/l	91
28) Bromochloromethane	7.538	49	121775	50.357	ug/l #	83
29) Tetrahydrofuran	7.561	42	146437	251.464	ug/l	89
30) Chloroform	7.703	83	360317	49.170	ug/l	99
31) Cyclohexane	7.979	56	258148	41.567	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	296102	46.199	ug/l	97
36) 1,1-Dichloropropene	8.108	75	246704	47.266	ug/l	97
37) Ethyl Acetate	7.291	43	102758	49.842	ug/l #	92
38) Carbon Tetrachloride	8.091	117	259901	49.122	ug/l	98
39) Methylcyclohexane	9.350	83	271084	46.603	ug/l	98
40) Benzene	8.344	78	743112	49.400	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	53911	44.881	ug/l #	77
42) 1,2-Dichloroethane	8.420	62	209339	50.014	ug/l	96
43) Isopropyl Acetate	8.444	43	202914	53.248	ug/l #	92
44) Trichloroethene	9.108	130	197449	49.222	ug/l	93
45) 1,2-Dichloropropane	9.379	63	192762	50.883	ug/l	97
46) Dibromomethane	9.467	93	102771	49.394	ug/l	97
47) Bromodichloromethane	9.655	83	276356	51.911	ug/l	98
48) Methyl methacrylate	9.450	41	101698	53.044	ug/l #	87
49) 1,4-Dioxane	9.455	88	23510	1094.166	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	540368	273.019	ug/l	93
52) Toluene	10.397	92	483459	50.859	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	246798	51.314	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	293067	50.919	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	146229	51.973	ug/l	99
56) Ethyl methacrylate	10.649	69	174688	55.842	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	246550	52.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	393938	263.755	ug/l	95
59) 2-Hexanone	10.973	43	359748	275.695	ug/l	92
60) Dibromochloromethane	11.132	129	186262	53.092	ug/l	99
61) 1,2-Dibromoethane	11.238	107	142004	52.818	ug/l	99
64) Tetrachloroethene	10.867	164	156306	46.724	ug/l	98
65) Chlorobenzene	11.661	112	520519	49.677	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	197845	50.912	ug/l	99
67) Ethyl Benzene	11.732	91	916625	49.833	ug/l	96
68) m/p-Xylenes	11.844	106	721912	101.020	ug/l	97
69) o-Xylene	12.167	106	337057	51.342	ug/l	95
70) Styrene	12.185	104	587445	52.010	ug/l	98
71) Bromoform	12.349	173	105729	52.865	ug/l #	100
73) Isopropylbenzene	12.467	105	886814	49.913	ug/l	100
74) N-amyl acetate	12.279	43	196745	50.760	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	173185	52.851	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	115400m	47.191	ug/l	
77) Bromobenzene	12.749	156	205767	49.198	ug/l	94
78) n-propylbenzene	12.808	91	1119510	50.190	ug/l	99
79) 2-Chlorotoluene	12.896	91	635843	49.371	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	763265	50.713	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	51900	50.952	ug/l	87
82) 4-Chlorotoluene	12.991	91	670789	49.691	ug/l	99
83) tert-Butylbenzene	13.208	119	653852	51.547	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	757255	50.930	ug/l	99
85) sec-Butylbenzene	13.385	105	970290	50.097	ug/l	99
86) p-Isopropyltoluene	13.502	119	800803	50.721	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	418594	49.653	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	412543	48.477	ug/l	99
89) n-Butylbenzene	13.826	91	759538	50.490	ug/l	99
90) Hexachloroethane	14.096	117	160681	49.185	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	366961	50.309	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	25529	50.873	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	216369	52.249	ug/l	98
94) Hexachlorobutadiene	15.249	225	113516	48.645	ug/l	96
95) Naphthalene	15.379	128	399569	49.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	189210	51.539	ug/l	99

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

