

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051022\
 Data File : VD072904.D
 Acq On : 10 May 2022 09:54
 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 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 11 05:47:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	338658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	556897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	535735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217957	49.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.160%		
35) Dibromofluoromethane	7.908	113	213461	54.578	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.160%		
50) Toluene-d8	10.332	98	773519	55.134	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	110.260%		
62) 4-Bromofluorobenzene	12.620	95	294662	56.327	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	209221	44.707	ug/l	97
3) Chloromethane	2.209	50	213730	43.915	ug/l	93
4) Vinyl Chloride	2.350	62	206924	47.383	ug/l	98
5) Bromomethane	2.768	94	137191	51.106	ug/l	99
6) Chloroethane	2.921	64	129547	47.597	ug/l	100
7) Trichlorofluoromethane	3.273	101	376888	49.285	ug/l	99
8) Diethyl Ether	3.709	74	101009	46.073	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	226764	49.948	ug/l	97
10) Methyl Iodide	4.297	142	226012	49.605	ug/l	99
11) Tert butyl alcohol	5.220	59	67697	177.986	ug/l	95
12) 1,1-Dichloroethene	4.067	96	200577	49.118	ug/l	92
13) Acrolein	3.920	56	53527	199.346	ug/l	97
14) Allyl chloride	4.715	41	332266	50.398	ug/l	94
15) Acrylonitrile	5.415	53	239601	229.963	ug/l	97
16) Acetone	4.150	43	215619	262.763	ug/l	91
17) Carbon Disulfide	4.409	76	583975	45.481	ug/l	98
18) Methyl Acetate	4.715	43	109047	45.564	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	487738	49.822	ug/l	96
20) Methylene Chloride	4.962	84	241779	45.403	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	232930	49.736	ug/l	92
22) Diisopropyl ether	6.362	45	732700	50.521	ug/l	92
23) Vinyl Acetate	6.297	43	1956047	244.150	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	424401	48.706	ug/l	99
25) 2-Butanone	7.209	43	299956	234.182	ug/l	95
26) 2,2-Dichloropropane	7.203	77	368040	49.963	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	265332	49.465	ug/l	93
28) Bromochloromethane	7.544	49	161012	49.552	ug/l	87
29) Tetrahydrofuran	7.556	42	190922	233.850	ug/l	93
30) Chloroform	7.703	83	451942	49.019	ug/l	97
31) Cyclohexane	7.979	56	373349	48.584	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	392427	49.941	ug/l	96
36) 1,1-Dichloropropene	8.108	75	332818	52.333	ug/l	97
37) Ethyl Acetate	7.285	43	138993	47.543	ug/l #	97
38) Carbon Tetrachloride	8.091	117	346051	52.419	ug/l	99
39) Methylcyclohexane	9.350	83	381447	51.710	ug/l	99
40) Benzene	8.344	78	936627	50.999	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	84207	48.373	ug/l	94
42) 1,2-Dichloroethane	8.420	62	268571	48.528	ug/l	96
43) Isopropyl Acetate	8.444	43	262193	48.590	ug/l	95
44) Trichloroethene	9.103	130	247472	50.367	ug/l	94
45) 1,2-Dichloropropane	9.379	63	242086	50.192	ug/l	97
46) Dibromomethane	9.467	93	129750	48.768	ug/l	98
47) Bromodichloromethane	9.655	83	346443	50.618	ug/l	98
48) Methyl methacrylate	9.450	41	135114	51.183	ug/l	94
49) 1,4-Dioxane	9.450	88	27422	915.285	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	688987	245.719	ug/l	96
52) Toluene	10.397	92	610232	53.265	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	320806	51.029	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	376238	51.512	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	179048	49.782	ug/l	98
56) Ethyl methacrylate	10.650	69	218107	51.504	ug/l	89
57) 1,3-Dichloropropane	10.938	76	307229	49.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	527016	256.683	ug/l	96
59) 2-Hexanone	10.973	43	486117	257.648	ug/l	97
60) Dibromochloromethane	11.132	129	222137	49.062	ug/l	99
61) 1,2-Dibromoethane	11.238	107	168187	48.043	ug/l	100
64) Tetrachloroethene	10.867	164	199387	50.905	ug/l	91
65) Chlorobenzene	11.661	112	637283	51.430	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	244031	52.403	ug/l	99
67) Ethyl Benzene	11.738	91	1168053	54.469	ug/l	100
68) m/p-Xylenes	11.844	106	890343	107.784	ug/l	100
69) o-Xylene	12.173	106	415597	53.871	ug/l	97
70) Styrene	12.185	104	735404	55.018	ug/l	97
71) Bromoform	12.349	173	125477	49.717	ug/l #	98
73) Isopropylbenzene	12.467	105	1125134	55.515	ug/l	99
74) N-amyl acetate	12.279	43	258157	51.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	198211	48.448	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	142290m	48.986	ug/l	
77) Bromobenzene	12.749	156	248419	51.617	ug/l	96
78) n-propylbenzene	12.808	91	1395038	54.614	ug/l	99
79) 2-Chlorotoluene	12.896	91	796686	53.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	937331	54.542	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	63633	50.377	ug/l	89
82) 4-Chlorotoluene	12.991	91	833740	53.477	ug/l	99
83) tert-Butylbenzene	13.208	119	812334	55.599	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	928583	54.057	ug/l	99
85) sec-Butylbenzene	13.385	105	1217461	55.248	ug/l	99
86) p-Isopropyltoluene	13.502	119	994875	55.065	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	495153	51.072	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	488143	50.559	ug/l	99
89) n-Butylbenzene	13.826	91	987000	56.394	ug/l	99
90) Hexachloroethane	14.096	117	192139	51.912	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	435748	51.570	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	30379	46.842	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	255685	51.095	ug/l	99
94) Hexachlorobutadiene	15.249	225	138220	50.577	ug/l	97
95) Naphthalene	15.379	128	477077	51.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	232873	52.498	ug/l	97

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

