

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007841.D
 Acq On : 11 Mar 2022 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 11 23:18:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	230483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	376451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	347545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	125068	51.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.660%			
35) Dibromofluoromethane	7.716	113	123349	51.251	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.500%			
50) Toluene-d8	10.179	98	417430	47.117	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.240%			
62) 4-Bromofluorobenzene	12.483	95	150457	52.685	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	71512	47.133	ug/l	98
3) Chloromethane	2.119	50	117792	49.733	ug/l	96
4) Vinyl Chloride	2.253	62	159690	46.184	ug/l	98
5) Bromomethane	2.656	94	137715	49.279	ug/l	99
6) Chloroethane	2.796	64	124370	46.902	ug/l	99
7) Trichlorofluoromethane	3.131	101	201004	50.879	ug/l	91
8) Diethyl Ether	3.534	74	69478	54.655	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.906	101	126731	52.551	ug/l	94
10) Methyl Iodide	4.101	142	122001	41.581	ug/l	94
11) Tert butyl alcohol	4.954	59	53819	257.619	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	110063	51.424	ug/l	84
13) Acrolein	3.735	56	47307	269.232	ug/l	99
14) Allyl chloride	4.485	41	177574	55.160	ug/l #	93
15) Acrylonitrile	5.161	53	199803	297.767	ug/l	98
16) Acetone	3.948	43	144746	294.883	ug/l	96
17) Carbon Disulfide	4.198	76	253817	48.970	ug/l	99
18) Methyl Acetate	4.479	43	85647	60.856	ug/l #	88
19) Methyl tert-butyl Ether	5.228	73	372477	56.072	ug/l	98
20) Methylene Chloride	4.729	84	139274	59.962	ug/l	85
21) trans-1,2-Dichloroethene	5.228	96	130745	52.353	ug/l	82
22) Diisopropyl ether	6.125	45	467480	60.786	ug/l	96
23) Vinyl Acetate	6.064	43	1496153	307.631	ug/l	96
24) 1,1-Dichloroethane	6.021	63	261641	56.306	ug/l	99
25) 2-Butanone	6.990	43	257720	312.983	ug/l	95
26) 2,2-Dichloropropane	6.984	77	192620	46.580	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	160556	54.827	ug/l	91
28) Bromochloromethane	7.338	49	113626	57.498	ug/l #	95
29) Tetrahydrofuran	7.350	42	171635	304.631	ug/l	91
30) Chloroform	7.509	83	281899	58.556	ug/l	98
31) Cyclohexane	7.789	56	201965	54.697	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	243315	56.790	ug/l	99
36) 1,1-Dichloropropene	7.923	75	190166	50.227	ug/l	99
37) Ethyl Acetate	7.076	43	115884	55.416	ug/l	98
38) Carbon Tetrachloride	7.905	117	211244	52.305	ug/l	99
39) Methylcyclohexane	9.185	83	224039	48.149	ug/l	90
40) Benzene	8.161	78	565539	53.673	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	55437m	55.476	ug/l	
42) 1,2-Dichloroethane	8.240	62	182448	55.492	ug/l	95
43) Isopropyl Acetate	8.277	43	220563	57.034	ug/l	95
44) Trichloroethene	8.941	130	149690	51.152	ug/l	95
45) 1,2-Dichloropropane	9.216	63	150861	55.365	ug/l	96
46) Dibromomethane	9.307	93	91864	56.165	ug/l	93
47) Bromodichloromethane	9.496	83	222299	57.946	ug/l	99
48) Methyl methacrylate	9.295	41	95912	57.218	ug/l #	85
49) 1,4-Dioxane	9.301	88	20688	1047.692	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	627541	303.277	ug/l	93
52) Toluene	10.246	92	369453	54.228	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	212798	54.027	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	237658	54.614	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	127935	57.495	ug/l	98
56) Ethyl methacrylate	10.514	69	165745	56.105	ug/l	88
57) 1,3-Dichloropropane	10.795	76	212142	56.379	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	398882	247.583	ug/l	98
59) 2-Hexanone	10.831	43	426567	306.123	ug/l	92
60) Dibromochloromethane	10.990	129	155600	58.727	ug/l	100
61) 1,2-Dibromoethane	11.093	107	117981	55.627	ug/l	99
64) Tetrachloroethene	10.721	164	124846	48.462	ug/l	97
65) Chlorobenzene	11.520	112	403331	53.267	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	159481	56.324	ug/l	98
67) Ethyl Benzene	11.593	91	735531	53.866	ug/l	99
68) m/p-Xylenes	11.703	106	569259	108.652	ug/l	93
69) o-Xylene	12.032	106	279652	56.326	ug/l	90
70) Styrene	12.044	104	472283	56.811	ug/l	95
71) Bromoform	12.209	173	100399	56.946	ug/l #	97
73) Isopropylbenzene	12.331	105	744254	52.464	ug/l	99
74) N-amyl acetate	12.142	43	202251	53.558	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	162274	54.540	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	117083m	57.576	ug/l	
77) Bromobenzene	12.611	156	171199	52.394	ug/l	95
78) n-propylbenzene	12.672	91	904484	52.838	ug/l	99
79) 2-Chlorotoluene	12.758	91	484189	52.859	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	597149	52.644	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	47551	47.804	ug/l	94
82) 4-Chlorotoluene	12.855	91	505559	53.657	ug/l	97
83) tert-Butylbenzene	13.075	119	543319	52.073	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	602746	53.946	ug/l	97
85) sec-Butylbenzene	13.258	105	831899	53.899	ug/l	100
86) p-Isopropyltoluene	13.373	119	689457	54.084	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	349929	53.817	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	345794	53.884	ug/l	98
89) n-Butylbenzene	13.696	91	651488	54.073	ug/l	98
90) Hexachloroethane	13.965	117	133464	55.233	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	312197	54.073	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24716	54.853	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	181068	49.537	ug/l	99
94) Hexachlorobutadiene	15.111	225	105321	48.735	ug/l	97
95) Naphthalene	15.239	128	380929	51.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	162814	49.978	ug/l	99

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

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