

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012122\
 Data File : VY007262.D
 Acq On : 21 Jan 2022 18:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2022
 Supervised By : Mahesh Dadoda 01/24/2022

Quant Time: Jan 22 00:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	100911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	172678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	154157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60579	48.925	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.860%		
35) Dibromofluoromethane	7.722	113	57094	48.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.800%		
50) Toluene-d8	10.185	98	201144	47.146	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.300%		
62) 4-Bromofluorobenzene	12.483	95	70339	46.348	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	14522	41.042	ug/l	99
3) Chloromethane	2.119	50	32076	43.228	ug/l	100
4) Vinyl Chloride	2.259	62	52079	48.223	ug/l	98
5) Bromomethane	2.668	94	36259	51.850	ug/l	94
6) Chloroethane	2.808	64	34214	50.776	ug/l	100
7) Trichlorofluoromethane	3.131	101	55658	47.821	ug/l	94
8) Diethyl Ether	3.534	74	31550	49.227	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	53747	47.397	ug/l	98
10) Methyl Iodide	4.094	142	81495	48.590	ug/l	97
11) Tert butyl alcohol	4.972	59	24967	236.218	ug/l	99
12) 1,1-Dichloroethene	3.881	96	53585	46.927	ug/l	99
13) Acrolein	3.741	56	4264	162.401	ug/l	93
14) Allyl chloride	4.485	41	87811	47.960	ug/l	96
15) Acrylonitrile	5.167	53	79863	259.275	ug/l	97
16) Acetone	3.954	43	79256	246.641	ug/l	99
17) Carbon Disulfide	4.204	76	145937	46.022	ug/l	99
18) Methyl Acetate	4.485	43	55205	48.281	ug/l	96
19) Methyl tert-butyl Ether	5.228	73	118503	52.715	ug/l	97
20) Methylene Chloride	4.722	84	63147	47.523	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	58713	47.428	ug/l	99
22) Diisopropyl ether	6.125	45	186636	50.317	ug/l	96
23) Vinyl Acetate	6.064	43	572060	262.251	ug/l	99
24) 1,1-Dichloroethane	6.027	63	111318	49.335	ug/l	99
25) 2-Butanone	6.996	43	106999	257.541	ug/l	99
26) 2,2-Dichloropropane	6.990	77	80682	49.064	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	68686	48.912	ug/l	99
28) Bromochloromethane	7.344	49	44251	54.218	ug/l	94
29) Tetrahydrofuran	7.350	42	69080	258.659	ug/l	98
30) Chloroform	7.515	83	119342	50.905	ug/l	100
31) Cyclohexane	7.789	56	93688	44.756	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	99107	49.459	ug/l	99
36) 1,1-Dichloropropene	7.923	75	87576	46.962	ug/l	99
37) Ethyl Acetate	7.076	43	50368	52.630	ug/l	96
38) Carbon Tetrachloride	7.911	117	92365	47.089	ug/l	97
39) Methylcyclohexane	9.191	83	104535	45.911	ug/l	99
40) Benzene	8.167	78	237053	47.655	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25357m	46.010	ug/l	
42) 1,2-Dichloroethane	8.240	62	76868	49.072	ug/l	100
43) Isopropyl Acetate	8.277	43	95454	51.259	ug/l	97
44) Trichloroethene	8.941	130	63688	47.313	ug/l	98
45) 1,2-Dichloropropane	9.222	63	60760	48.032	ug/l	97
46) Dibromomethane	9.307	93	37013	49.479	ug/l	96
47) Bromodichloromethane	9.502	83	90852	49.404	ug/l	100
48) Methyl methacrylate	9.295	41	41298	48.758	ug/l	96
49) 1,4-Dioxane	9.313	88	8151	1010.588	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	247414	262.032	ug/l	97
52) Toluene	10.246	92	151433	48.027	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	95189	49.035	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	105283	48.451	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	49840	49.120	ug/l	98
56) Ethyl methacrylate	10.514	69	71189	49.802	ug/l	93
57) 1,3-Dichloropropane	10.794	76	87976	49.743	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	151402	232.930	ug/l	99
59) 2-Hexanone	10.837	43	169323	264.237	ug/l	95
60) Dibromochloromethane	10.990	129	61861	49.595	ug/l	100
61) 1,2-Dibromoethane	11.093	107	49330	49.488	ug/l	99
64) Tetrachloroethene	10.721	164	52174	46.955	ug/l	96
65) Chlorobenzene	11.520	112	160193	47.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	60673	48.558	ug/l	98
67) Ethyl Benzene	11.593	91	300850	47.488	ug/l	100
68) m/p-Xylenes	11.703	106	222330	94.435	ug/l	100
69) o-Xylene	12.032	106	104706	47.226	ug/l	99
70) Styrene	12.044	104	180809	48.342	ug/l	99
71) Bromoform	12.209	173	35630	49.298	ug/l #	99
73) Isopropylbenzene	12.331	105	280967	47.355	ug/l	99
74) N-amyl acetate	12.148	43	79539	50.132	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	57489	49.829	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	39390m	50.288	ug/l	
77) Bromobenzene	12.611	156	63453	49.150	ug/l	98
78) n-propylbenzene	12.672	91	346963	47.174	ug/l	99
79) 2-Chlorotoluene	12.758	91	193358	47.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	230194	47.252	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21790	50.928	ug/l #	98
82) 4-Chlorotoluene	12.855	91	198409	46.512	ug/l	99
83) tert-Butylbenzene	13.075	119	204229	48.517	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	226070	46.817	ug/l	99
85) sec-Butylbenzene	13.257	105	296492	47.081	ug/l	99
86) p-Isopropyltoluene	13.373	119	239697	46.317	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	118772	47.002	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	119046	46.851	ug/l	98
89) n-Butylbenzene	13.696	91	235291	46.175	ug/l	98
90) Hexachloroethane	13.965	117	48935	48.367	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	104152	46.324	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9403	47.189	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	62044	45.378	ug/l	98
94) Hexachlorobutadiene	15.117	225	31477	44.670	ug/l	98
95) Naphthalene	15.239	128	137622	47.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	51805	44.412	ug/l	97

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

