

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013122\
 Data File : VY007338.D
 Acq On : 31 Jan 2022 13:11
 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 02/01/2022
 Supervised By : Mahesh Dadoda 02/02/2022

Quant Time: Feb 01 01:51:30 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	7.801	168	132130	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	222799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	194124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	86649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	74102	45.707	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.420%		
35) Dibromofluoromethane	7.728	113	72057	47.830	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.660%		
50) Toluene-d8	10.185	98	244619	44.437	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.880%		
62) 4-Bromofluorobenzene	12.489	95	88227	45.057	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	16042	34.625	ug/l	97
3) Chloromethane	2.119	50	46644	48.008	ug/l	99
4) Vinyl Chloride	2.266	62	69716	49.302	ug/l	99
5) Bromomethane	2.668	94	47293	51.650	ug/l	99
6) Chloroethane	2.808	64	44266	50.172	ug/l	99
7) Trichlorofluoromethane	3.137	101	83782	54.977	ug/l	97
8) Diethyl Ether	3.540	74	42651	50.824	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.912	101	76259	51.360	ug/l	96
10) Methyl Iodide	4.101	142	107440	48.924	ug/l	97
11) Tert butyl alcohol	4.954	59	34899	252.503	ug/l	99
12) 1,1-Dichloroethene	3.881	96	73494	49.155	ug/l	96
13) Acrolein	3.735	56	7458	222.777	ug/l	97
14) Allyl chloride	4.491	41	121599	50.723	ug/l	97
15) Acrylonitrile	5.174	53	109046	270.372	ug/l	98
16) Acetone	3.954	43	108471	257.801	ug/l	99
17) Carbon Disulfide	4.210	76	180244	43.411	ug/l	99
18) Methyl Acetate	4.485	43	73780	49.281	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	154852	52.609	ug/l	96
20) Methylene Chloride	4.729	84	81786	47.007	ug/l	89
21) trans-1,2-Dichloroethene	5.228	96	78345	48.334	ug/l	98
22) Diisopropyl ether	6.131	45	255889	52.687	ug/l	99
23) Vinyl Acetate	6.070	43	768660	269.121	ug/l	99
24) 1,1-Dichloroethane	6.027	63	152039	51.462	ug/l	99
25) 2-Butanone	6.996	43	141763	260.596	ug/l	100
26) 2,2-Dichloropropane	6.990	77	114810	53.322	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	93301	50.743	ug/l	98
28) Bromochloromethane	7.344	49	54260	50.773	ug/l	94
29) Tetrahydrofuran	7.356	42	91531	261.747	ug/l	97
30) Chloroform	7.515	83	159146	51.844	ug/l	96
31) Cyclohexane	7.795	56	124272	45.339	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	138000	52.596	ug/l	98
36) 1,1-Dichloropropene	7.923	75	116986	48.620	ug/l	99
37) Ethyl Acetate	7.082	43	64521	52.252	ug/l	96
38) Carbon Tetrachloride	7.905	117	126331	49.916	ug/l	97
39) Methylcyclohexane	9.191	83	140037	47.667	ug/l	97
40) Benzene	8.167	78	322726	50.283	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	36836m	51.802	ug/l	
42) 1,2-Dichloroethane	8.246	62	103843	51.379	ug/l	99
43) Isopropyl Acetate	8.277	43	125991	52.437	ug/l	97
44) Trichloroethene	8.947	130	85121	49.010	ug/l	98
45) 1,2-Dichloropropane	9.222	63	83899	51.404	ug/l	96
46) Dibromomethane	9.313	93	48898	50.662	ug/l	96
47) Bromodichloromethane	9.502	83	124010	52.264	ug/l	97
48) Methyl methacrylate	9.301	41	54840	50.180	ug/l	97
49) 1,4-Dioxane	9.307	88	10639	1022.322	ug/l	88
51) 4-Methyl-2-Pentanone	10.075	43	324140	266.064	ug/l	96
52) Toluene	10.252	92	202879	49.868	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	127628	50.955	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	143284	51.105	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	67222	51.347	ug/l	98
56) Ethyl methacrylate	10.514	69	94738	51.367	ug/l	96
57) 1,3-Dichloropropane	10.794	76	117927	51.677	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	188696	224.999	ug/l	99
59) 2-Hexanone	10.837	43	212954	257.566	ug/l	97
60) Dibromochloromethane	10.990	129	83314	51.768	ug/l	100
61) 1,2-Dibromoethane	11.093	107	64888	50.451	ug/l	99
64) Tetrachloroethene	10.727	164	66432	47.477	ug/l	94
65) Chlorobenzene	11.520	112	215992	50.886	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	82091	52.172	ug/l	100
67) Ethyl Benzene	11.599	91	405061	50.773	ug/l	98
68) m/p-Xylenes	11.709	106	298905	100.821	ug/l	99
69) o-Xylene	12.032	106	142071	50.887	ug/l	99
70) Styrene	12.050	104	241064	51.182	ug/l	99
71) Bromoform	12.215	173	47190	51.849	ug/l #	100
73) Isopropylbenzene	12.337	105	382192	51.068	ug/l	100
74) N-amyl acetate	12.148	43	103735	51.834	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	77571	53.303	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	46614m	47.179	ug/l	
77) Bromobenzene	12.617	156	83255	51.125	ug/l	99
78) n-propylbenzene	12.678	91	473593	51.048	ug/l	99
79) 2-Chlorotoluene	12.764	91	262411	50.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	309229	50.323	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	28483	52.776	ug/l #	98
82) 4-Chlorotoluene	12.861	91	270429	50.258	ug/l	100
83) tert-Butylbenzene	13.081	119	275807	51.944	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	307015	50.405	ug/l	99
85) sec-Butylbenzene	13.257	105	409810	51.590	ug/l	99
86) p-Isopropyltoluene	13.373	119	333833	51.140	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	162233	50.898	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	159080	49.633	ug/l	99
89) n-Butylbenzene	13.703	91	326372	50.777	ug/l	99
90) Hexachloroethane	13.965	117	66487	52.098	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	141336	49.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12061	47.986	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	82743	47.977	ug/l	99
94) Hexachlorobutadiene	15.117	225	43818	49.298	ug/l	97
95) Naphthalene	15.239	128	178691	48.783	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	69705	47.375	ug/l	98

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

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