

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111522\
 Data File : VY011450.D
 Acq On : 15 Nov 2022 11:36
 Operator : KP/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 :Krupa Patel 11/16/2022
 Supervised By :Mahesh Dadoda 11/16/2022

Quant Time: Nov 15 14:59:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	266876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	374402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	190309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	99449	44.470	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.940%		
35) Dibromofluoromethane	7.722	113	109105	47.916	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.840%		
50) Toluene-d8	10.185	98	392891	45.166	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.340%		
62) 4-Bromofluorobenzene	12.483	95	150963	49.755	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	71136	44.138	ug/l	99
3) Chloromethane	2.119	50	88562	41.289	ug/l	96
4) Vinyl Chloride	2.259	62	105716	41.812	ug/l	97
5) Bromomethane	2.655	94	80470	43.951	ug/l	100
6) Chloroethane	2.796	64	75682	45.079	ug/l	100
7) Trichlorofluoromethane	3.131	101	185539	46.509	ug/l	93
8) Diethyl Ether	3.533	74	65434	46.710	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.905	101	114162	47.202	ug/l	95
10) Methyl Iodide	4.094	142	148708	46.101	ug/l	91
11) Tert butyl alcohol	4.954	59	55278	194.323	ug/l	97
12) 1,1-Dichloroethene	3.875	96	109285	45.637	ug/l #	79
13) Acrolein	3.735	56	19010	294.618	ug/l	97
14) Allyl chloride	4.484	41	147064	45.508	ug/l #	82
15) Acrylonitrile	5.167	53	164122	245.192	ug/l	96
16) Acetone	3.954	43	145158	245.978	ug/l #	82
17) Carbon Disulfide	4.204	76	298103	41.795	ug/l	100
18) Methyl Acetate	4.478	43	73433	44.743	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	313371	50.037	ug/l	96
20) Methylene Chloride	4.722	84	164495	51.504	ug/l #	78
21) trans-1,2-Dichloroethene	5.228	96	129387	47.389	ug/l	85
22) Diisopropyl ether	6.124	45	345650	50.117	ug/l #	87
23) Vinyl Acetate	6.063	43	1036010	256.767	ug/l #	86
24) 1,1-Dichloroethane	6.021	63	216676	48.244	ug/l	98
25) 2-Butanone	6.990	43	200916	239.017	ug/l #	76
26) 2,2-Dichloropropane	6.984	77	200677	47.778	ug/l	93
27) cis-1,2-Dichloroethene	6.990	96	149322	48.596	ug/l	83
28) Bromochloromethane	7.338	49	82639	50.666	ug/l #	71
29) Tetrahydrofuran	7.350	42	124953	245.397	ug/l #	77
30) Chloroform	7.508	83	236763	49.844	ug/l	98
31) Cyclohexane	7.789	56	178239	44.355	ug/l	86
32) 1,1,1-Trichloroethane	7.703	97	210656	49.034	ug/l	94
36) 1,1-Dichloropropene	7.923	75	171973	48.661	ug/l	96
37) Ethyl Acetate	7.075	43	85347	50.273	ug/l #	88
38) Carbon Tetrachloride	7.904	117	194766	50.664	ug/l	98
39) Methylcyclohexane	9.185	83	207740	48.107	ug/l	88
40) Benzene	8.161	78	523417	49.596	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	54791m	62.327	ug/l	
42) 1,2-Dichloroethane	8.240	62	140470	50.789	ug/l	88
43) Isopropyl Acetate	8.276	43	152346	49.744	ug/l #	83
44) Trichloroethene	8.941	130	147307	49.688	ug/l	99
45) 1,2-Dichloropropane	9.215	63	128065	50.987	ug/l	97
46) Dibromomethane	9.307	93	74524	50.960	ug/l	96
47) Bromodichloromethane	9.502	83	181641	51.842	ug/l	98
48) Methyl methacrylate	9.294	41	68654	49.883	ug/l #	73
49) 1,4-Dioxane	9.301	88	19852	994.346	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	432942	262.883	ug/l #	83
52) Toluene	10.246	92	341862	50.727	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	186613	51.653	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	213254	51.144	ug/l #	79
55) 1,1,2-Trichloroethane	10.648	97	112309	53.033	ug/l	95
56) Ethyl methacrylate	10.514	69	146453	53.779	ug/l #	70
57) 1,3-Dichloropropane	10.794	76	184694	52.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	322537	256.219	ug/l	91
59) 2-Hexanone	10.837	43	309535	265.309	ug/l	79
60) Dibromochloromethane	10.989	129	137052	52.429	ug/l	100
61) 1,2-Dibromoethane	11.093	107	104219	51.183	ug/l	99
64) Tetrachloroethene	10.721	164	149128	49.830	ug/l	96
65) Chlorobenzene	11.520	112	372721	49.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	143525	51.192	ug/l	98
67) Ethyl Benzene	11.593	91	655601	50.069	ug/l	98
68) m/p-Xylenes	11.703	106	517924	100.891	ug/l	93
69) o-Xylene	12.032	106	245941	50.795	ug/l	93
70) Styrene	12.044	104	425745	52.308	ug/l	94
71) Bromoform	12.209	173	89874	51.717	ug/l #	99
73) Isopropylbenzene	12.331	105	653530	49.684	ug/l	100
74) N-amyl acetate	12.148	43	137373	49.641	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.587	83	125252	49.561	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	108721m	49.354	ug/l	
77) Bromobenzene	12.611	156	155548	49.452	ug/l	93
78) n-propylbenzene	12.672	91	783702	49.934	ug/l	97
79) 2-Chlorotoluene	12.757	91	440199	49.042	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	556096	50.125	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	45129	49.243	ug/l #	82
82) 4-Chlorotoluene	12.855	91	456177	48.957	ug/l	97
83) tert-Butylbenzene	13.080	119	487223	50.795	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	554095	50.882	ug/l	99
85) sec-Butylbenzene	13.257	105	716601	50.753	ug/l	99
86) p-Isopropyltoluene	13.373	119	605837	51.189	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	311133	49.551	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	308308	49.652	ug/l	99
89) n-Butylbenzene	13.696	91	539847	50.764	ug/l	98
90) Hexachloroethane	13.964	117	114981	49.654	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	277923	49.896	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20687	50.239	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	170511	51.928	ug/l	99
94) Hexachlorobutadiene	15.117	225	100177	51.640	ug/l	98
95) Naphthalene	15.239	128	343086	47.805	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	149376	52.680	ug/l	99

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

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