

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011630.D
 Acq On : 30 Nov 2022 09:24
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 01 05:01:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	182586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	255274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95112	51.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.600%	
35) Dibromofluoromethane	7.722	113	95223	55.123	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.240%	
50) Toluene-d8	10.179	98	327706	52.204	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.483	95	125450	54.051	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	49091	50.001	ug/l	97
3) Chloromethane	2.119	50	78259	50.452	ug/l	97
4) Vinyl Chloride	2.253	62	88938	43.066	ug/l	100
5) Bromomethane	2.656	94	60201	45.286	ug/l	97
6) Chloroethane	2.802	64	60584	42.047	ug/l	99
7) Trichlorofluoromethane	3.131	101	152119	50.217	ug/l	92
8) Diethyl Ether	3.534	74	50607	51.691	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	92486	52.799	ug/l	95
10) Methyl Iodide	4.095	142	106027	51.953	ug/l	96
11) Tert butyl alcohol	4.948	59	50255	250.273	ug/l	100
12) 1,1-Dichloroethene	3.875	96	83192	51.847	ug/l	92
13) Acrolein	3.729	56	9754	199.531	ug/l	97
14) Allyl chloride	4.485	41	149685	53.141	ug/l	93
15) Acrylonitrile	5.161	53	140862	263.419	ug/l	99
16) Acetone	3.948	43	165485	274.799	ug/l	92
17) Carbon Disulfide	4.198	76	217750	48.965	ug/l	99
18) Methyl Acetate	4.479	43	71059	51.094	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	252765	55.197	ug/l	96
20) Methylene Chloride	4.722	84	115562	51.607	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	97668	52.674	ug/l	94
22) Diisopropyl ether	6.119	45	338874	55.115	ug/l	96
23) Vinyl Acetate	6.064	43	1015417	283.514	ug/l	96
24) 1,1-Dichloroethane	6.021	63	190262	52.704	ug/l	98
25) 2-Butanone	6.984	43	207231	261.844	ug/l	92
26) 2,2-Dichloropropane	6.984	77	176565	52.993	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	115431	52.880	ug/l	94
28) Bromochloromethane	7.338	49	78433	54.082	ug/l	94
29) Tetrahydrofuran	7.350	42	117472	262.832	ug/l	92
30) Chloroform	7.509	83	201223	53.749	ug/l	98
31) Cyclohexane	7.789	56	156518	50.933	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	177941	53.132	ug/l	97
36) 1,1-Dichloropropene	7.923	75	144533	53.526	ug/l	99
37) Ethyl Acetate	7.070	43	79690	51.827	ug/l	97
38) Carbon Tetrachloride	7.905	117	162220	53.697	ug/l	97
39) Methylcyclohexane	9.185	83	164555	54.608	ug/l	94
40) Benzene	8.161	78	418290	53.179	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	47254m	60.782	ug/l	
42) 1,2-Dichloroethane	8.240	62	127341	52.348	ug/l	94
43) Isopropyl Acetate	8.277	43	144767	52.190	ug/l	93
44) Trichloroethene	8.941	130	110176	52.060	ug/l	94
45) 1,2-Dichloropropane	9.216	63	108954	54.192	ug/l	94
46) Dibromomethane	9.307	93	59511	52.938	ug/l	97
47) Bromodichloromethane	9.496	83	152446	53.837	ug/l	98
48) Methyl methacrylate	9.295	41	66931	54.324	ug/l	91
49) 1,4-Dioxane	9.301	88	15220	1093.252	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	414517	268.823	ug/l	93
52) Toluene	10.246	92	267765	53.833	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	152943	54.034	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	171962	54.004	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	85737	53.309	ug/l	97
56) Ethyl methacrylate	10.514	69	113175	56.580	ug/l #	85
57) 1,3-Dichloropropane	10.795	76	147094	54.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	251027	256.248	ug/l	98
59) 2-Hexanone	10.831	43	302398	274.773	ug/l	91
60) Dibromochloromethane	10.990	129	106284	53.925	ug/l	100
61) 1,2-Dibromoethane	11.093	107	77125	52.536	ug/l	100
64) Tetrachloroethene	10.721	164	112560	53.508	ug/l	95
65) Chlorobenzene	11.520	112	285426	53.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	110249	54.417	ug/l	98
67) Ethyl Benzene	11.593	91	527660	54.670	ug/l	100
68) m/p-Xylenes	11.703	106	404885	110.199	ug/l	97
69) o-Xylene	12.032	106	191274	55.916	ug/l	95
70) Styrene	12.044	104	326844	55.976	ug/l	98
71) Bromoform	12.209	173	65779	53.367	ug/l #	100
73) Isopropylbenzene	12.331	105	521775	55.587	ug/l	99
74) N-amyl acetate	12.148	43	123713	53.371	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	96934	52.406	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	68567m	49.055	ug/l	
77) Bromobenzene	12.611	156	116714	53.250	ug/l	98
78) n-propylbenzene	12.672	91	638135	55.724	ug/l	100
79) 2-Chlorotoluene	12.758	91	353469	54.763	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	445082	56.250	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34535	54.118	ug/l	91
82) 4-Chlorotoluene	12.855	91	364830	54.056	ug/l	99
83) tert-Butylbenzene	13.081	119	386872	56.133	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	435797	55.765	ug/l	100
85) sec-Butylbenzene	13.258	105	572596	55.682	ug/l	100
86) p-Isopropyltoluene	13.373	119	477651	55.656	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	235489	52.779	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	229548	51.451	ug/l	98
89) n-Butylbenzene	13.703	91	444120	56.294	ug/l	100
90) Hexachloroethane	13.965	117	91293	52.677	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	208625	52.749	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16186	53.359	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	122690	55.927	ug/l	99
94) Hexachlorobutadiene	15.117	225	75751	55.551	ug/l	98
95) Naphthalene	15.239	128	239452	51.901	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	104333	55.496	ug/l	97

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

