

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011963.D
 Acq On : 22 Dec 2022 10:08
 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 23 04:30:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	222935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	332082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	302567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150405	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	109884	48.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.840%
35) Dibromofluoromethane	7.716	113	101824	50.932	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.860%
50) Toluene-d8	10.179	98	413681	51.000	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.000%
62) 4-Bromofluorobenzene	12.483	95	139525	51.145	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.300%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.906	85	80194	45.343	ug/l 97
3) Chloromethane	2.119	50	88784	44.747	ug/l 96
4) Vinyl Chloride	2.253	62	95377	43.589	ug/l 100
5) Bromomethane	2.656	94	66219	42.537	ug/l 99
6) Chloroethane	2.796	64	61082	42.707	ug/l 95
7) Trichlorofluoromethane	3.131	101	168430	43.972	ug/l 99
8) Diethyl Ether	3.534	74	51333	43.434	ug/l 95
9) 1,1,2-Trichlorotrifluo...	3.905	101	93207	44.203	ug/l 98
10) Methyl Iodide	4.094	142	124927	42.821	ug/l 98
11) Tert butyl alcohol	4.954	59	49359	219.996	ug/l 98
12) 1,1-Dichloroethene	3.875	96	91752	43.501	ug/l 97
13) Acrolein	3.729	56	47511	226.290	ug/l 100
14) Allyl chloride	4.485	41	135018	43.469	ug/l 96
15) Acrylonitrile	5.161	53	124045	225.628	ug/l 99
16) Acetone	3.948	43	155272	231.914	ug/l 98
17) Carbon Disulfide	4.198	76	290200	43.132	ug/l 100
18) Methyl Acetate	4.479	43	67809	43.692	ug/l 98
19) Methyl tert-butyl Ether	5.222	73	244591	45.196	ug/l 97
20) Methylene Chloride	4.716	84	107827	40.590	ug/l 96
21) trans-1,2-Dichloroethene	5.222	96	104458	43.586	ug/l 99
22) Diisopropyl ether	6.119	45	274888	44.935	ug/l 94
23) Vinyl Acetate	6.058	43	815150	231.603	ug/l 99
24) 1,1-Dichloroethane	6.021	63	172266	43.322	ug/l 100
25) 2-Butanone	6.984	43	178477	238.552	ug/l 98
26) 2,2-Dichloropropane	6.984	77	166201	42.714	ug/l 99
27) cis-1,2-Dichloroethene	6.990	96	114736	44.264	ug/l 98
28) Bromochloromethane	7.338	49	54228	49.696	ug/l 94
29) Tetrahydrofuran	7.344	42	98129	231.494	ug/l 97
30) Chloroform	7.508	83	186642	43.547	ug/l 98
31) Cyclohexane	7.789	56	156341	41.349	ug/l 98
32) 1,1,1-Trichloroethane	7.704	97	178651	43.823	ug/l 99
36) 1,1-Dichloropropene	7.917	75	144146	44.950	ug/l 99
37) Ethyl Acetate	7.070	43	65474	45.508	ug/l 97
38) Carbon Tetrachloride	7.899	117	167362	45.189	ug/l 99
39) Methylcyclohexane	9.185	83	174335	45.180	ug/l 99
40) Benzene	8.161	78	409256	44.595	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	33547m	48.218	ug/l	
42) 1,2-Dichloroethane	8.234	62	120001	45.422	ug/l	100
43) Isopropyl Acetate	8.271	43	120959	46.033	ug/l	97
44) Trichloroethene	8.941	130	115028	44.468	ug/l	100
45) 1,2-Dichloropropane	9.216	63	94522	44.577	ug/l	100
46) Dibromomethane	9.307	93	55914	45.779	ug/l	99
47) Bromodichloromethane	9.496	83	140142	45.227	ug/l	97
48) Methyl methacrylate	9.295	41	57912	47.600	ug/l	97
49) 1,4-Dioxane	9.301	88	14845	1017.990	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	337592	240.944	ug/l	99
52) Toluene	10.246	92	263065	44.991	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	141887	45.316	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	160954	45.733	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	77934	44.964	ug/l	97
56) Ethyl methacrylate	10.508	69	105134	47.909	ug/l	98
57) 1,3-Dichloropropane	10.788	76	133090	46.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	224027	264.560	ug/l	97
59) 2-Hexanone	10.831	43	259402	251.657	ug/l	98
60) Dibromochloromethane	10.983	129	100846	46.187	ug/l	99
61) 1,2-Dibromoethane	11.087	107	73424	45.280	ug/l	99
64) Tetrachloroethene	10.721	164	118759	44.842	ug/l	98
65) Chlorobenzene	11.520	112	276380	43.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	105305	45.052	ug/l	98
67) Ethyl Benzene	11.593	91	510371	44.943	ug/l	100
68) m/p-Xylenes	11.703	106	399298	90.412	ug/l	99
69) o-Xylene	12.032	106	184943	45.006	ug/l	100
70) Styrene	12.044	104	314390	45.566	ug/l	99
71) Bromoform	12.209	173	64152	46.318	ug/l #	98
73) Isopropylbenzene	12.331	105	501748	44.956	ug/l	99
74) N-amyl acetate	12.142	43	106311	46.462	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	83719	44.964	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	58406m	31.207	ug/l	
77) Bromobenzene	12.611	156	115987	44.920	ug/l	97
78) n-propylbenzene	12.672	91	602201	44.888	ug/l	100
79) 2-Chlorotoluene	12.758	91	336046	44.562	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	433311	45.346	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	31563	46.184	ug/l	100
82) 4-Chlorotoluene	12.855	91	345147	44.235	ug/l	99
83) tert-Butylbenzene	13.075	119	378701	46.762	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	425118	45.222	ug/l	99
85) sec-Butylbenzene	13.257	105	544493	45.026	ug/l	99
86) p-Isopropyltoluene	13.373	119	462735	45.349	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	229399	44.176	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	226404	43.856	ug/l	100
89) n-Butylbenzene	13.696	91	416453	45.085	ug/l	99
90) Hexachloroethane	13.965	117	85236	43.780	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	203624	44.978	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14621	45.693	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	121414	45.591	ug/l	99
94) Hexachlorobutadiene	15.111	225	76132	44.242	ug/l	99
95) Naphthalene	15.239	128	236888	43.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	105479	46.847	ug/l	99

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

