

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080123\
 Data File : VY014926.D
 Acq On : 01 Aug 2023 16:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 02 01:55:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	291041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	481865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	432515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	217798	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	181743	54.799	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.600%	
35) Dibromofluoromethane	7.710	113	171861	56.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.060%	
50) Toluene-d8	10.173	98	604294	53.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.477	95	218422	50.371	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.740%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	91964	38.784	ug/l	97
3) Chloromethane	2.107	50	138297	51.886	ug/l	98
4) Vinyl Chloride	2.247	62	162936	54.697	ug/l	100
5) Bromomethane	2.637	94	120660	61.292	ug/l	98
6) Chloroethane	2.784	64	111285	59.807	ug/l	94
7) Trichlorofluoromethane	3.113	101	240706	48.112	ug/l	100
8) Diethyl Ether	3.521	74	87853	47.196	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	143191	46.695	ug/l	96
10) Methyl Iodide	4.082	142	163292	50.221	ug/l	97
11) Tert butyl alcohol	4.948	59	102788	140.289	ug/l #	80
12) 1,1-Dichloroethene	3.863	96	130711	45.607	ug/l	94
13) Acrolein	3.723	56	43162	124.515	ug/l	100
14) Allyl chloride	4.466	41	218700	42.977	ug/l	96
15) Acrylonitrile	5.149	53	244029	237.733	ug/l	100
16) Acetone	3.942	43	208706	198.585	ug/l	92
17) Carbon Disulfide	4.186	76	325142	39.626	ug/l	99
18) Methyl Acetate	4.466	43	194191	48.149	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	449133	48.243	ug/l	100
20) Methylene Chloride	4.710	84	189556	56.030	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	153140	47.084	ug/l	93
22) Diisopropyl ether	6.112	45	497715	48.107	ug/l	91
23) Vinyl Acetate	6.051	43	1430815	231.101	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	290153	49.014	ug/l	98
25) 2-Butanone	6.978	43	336977	219.164	ug/l	96
26) 2,2-Dichloropropane	6.972	77	261380	46.329	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	188420	49.770	ug/l	94
28) Bromochloromethane	7.326	49	128657	50.463	ug/l	94
29) Tetrahydrofuran	7.338	42	214274	226.324	ug/l	92
30) Chloroform	7.496	83	305672	50.073	ug/l	94
31) Cyclohexane	7.777	56	222931	40.493	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	268121	48.801	ug/l	99
36) 1,1-Dichloropropene	7.911	75	212475	46.318	ug/l	99
37) Ethyl Acetate	7.069	43	142655	45.168	ug/l #	96
38) Carbon Tetrachloride	7.893	117	233042	48.059	ug/l	99
39) Methylcyclohexane	9.179	83	256702	42.953	ug/l	93
40) Benzene	8.155	78	629198	48.228	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	65158	40.109	ug/l	94
42) 1,2-Dichloroethane	8.228	62	208978	50.582	ug/l	96
43) Isopropyl Acetate	8.264	43	274902	45.693	ug/l	97
44) Trichloroethene	8.935	130	176393	48.323	ug/l	96
45) 1,2-Dichloropropane	9.209	63	163020	47.853	ug/l	96
46) Dibromomethane	9.301	93	99908	48.342	ug/l	96
47) Bromodichloromethane	9.490	83	243676	50.026	ug/l	98
48) Methyl methacrylate	9.289	41	120503	44.513	ug/l	93
49) 1,4-Dioxane	9.295	88	31834	944.655	ug/l #	61
51) 4-Methyl-2-Pentanone	10.063	43	734759	232.605	ug/l	93
52) Toluene	10.240	92	403468	48.329	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	248751	46.687	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	277677	47.924	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	141952	49.309	ug/l	97
56) Ethyl methacrylate	10.508	69	205247	46.695	ug/l	91
57) 1,3-Dichloropropane	10.788	76	242955	48.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	493463	240.944	ug/l	93
59) 2-Hexanone	10.825	43	525750	228.231	ug/l	93
60) Dibromochloromethane	10.977	129	177991	50.428	ug/l	100
61) 1,2-Dibromoethane	11.087	107	136193	47.423	ug/l	99
64) Tetrachloroethene	10.715	164	169524	48.734	ug/l	98
65) Chlorobenzene	11.514	112	450839	48.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	173782	50.007	ug/l	98
67) Ethyl Benzene	11.587	91	802087	48.200	ug/l	99
68) m/p-Xylenes	11.697	106	614565	96.747	ug/l	96
69) o-Xylene	12.026	106	298906	48.311	ug/l	97
70) Styrene	12.038	104	508468	48.760	ug/l	98
71) Bromoform	12.203	173	113895	48.352	ug/l #	98
73) Isopropylbenzene	12.325	105	793520	46.531	ug/l	100
74) N-amyl acetate	12.142	43	242571	42.470	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	177046	45.525	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	119186m	43.329	ug/l	
77) Bromobenzene	12.605	156	187840	48.253	ug/l	100
78) n-propylbenzene	12.666	91	941411	45.811	ug/l	100
79) 2-Chlorotoluene	12.751	91	535014	45.201	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	654901	45.983	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	57725	40.631	ug/l	98
82) 4-Chlorotoluene	12.849	91	551360	45.230	ug/l	99
83) tert-Butylbenzene	13.075	119	594881	47.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	653800	46.776	ug/l	99
85) sec-Butylbenzene	13.251	105	864422	46.642	ug/l	100
86) p-Isopropyltoluene	13.367	119	720424	47.610	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	367495	48.506	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	365529	48.146	ug/l	99
89) n-Butylbenzene	13.690	91	680653	46.235	ug/l	97
90) Hexachloroethane	13.958	117	142779	45.939	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	336118	48.422	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31635	42.536	ug/l	94
93) 1,2,4-Trichlorobenzene	15.001	180	207252	47.035	ug/l	97
94) Hexachlorobutadiene	15.111	225	114968	47.479	ug/l	98
95) Naphthalene	15.233	128	469604	45.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	185509	47.371	ug/l	98

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

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