

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021130.D
 Acq On : 07 Feb 2025 09:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 08 02:35:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	195996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	297405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	257416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	124211	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	92231	45.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.860%
35) Dibromofluoromethane	7.640	113	89545	46.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.960%
50) Toluene-d8	10.115	98	337295	46.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.960%
62) 4-Bromofluorobenzene	12.414	95	113858	48.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	85162	48.751	ug/l	97
3) Chloromethane	2.074	50	87176	50.573	ug/l	99
4) Vinyl Chloride	2.214	62	90658	52.252	ug/l	98
5) Bromomethane	2.604	94	52224	48.700	ug/l	93
6) Chloroethane	2.745	64	53770	52.061	ug/l	100
7) Trichlorofluoromethane	3.068	101	158921	50.276	ug/l	99
8) Diethyl Ether	3.464	74	50250	50.924	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	97643	49.219	ug/l	97
10) Methyl Iodide	4.013	142	108711	49.324	ug/l	94
11) Tert butyl alcohol	4.872	59	32899	241.758	ug/l	98
12) 1,1-Dichloroethene	3.799	96	91761	49.102	ug/l	95
13) Acrolein	3.659	56	47341	225.916	ug/l	99
14) Allyl chloride	4.397	41	158977	50.476	ug/l	96
15) Acrylonitrile	5.067	53	108957	265.161	ug/l	100
16) Acetone	3.879	43	85639	273.463	ug/l	95
17) Carbon Disulfide	4.116	76	283752	48.422	ug/l	99
18) Methyl Acetate	4.397	43	58539	53.249	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	242279	51.293	ug/l	100
20) Methylene Chloride	4.628	84	96039	49.332	ug/l	92
21) trans-1,2-Dichloroethene	5.128	96	100664	48.936	ug/l	95
22) Diisopropyl ether	6.031	45	334597	51.541	ug/l	97
23) Vinyl Acetate	5.970	43	948138	261.991	ug/l	98
24) 1,1-Dichloroethane	5.927	63	187948	49.414	ug/l	100
25) 2-Butanone	6.902	43	139680	271.427	ug/l	96
26) 2,2-Dichloropropane	6.896	77	172382	48.981	ug/l	97
27) cis-1,2-Dichloroethene	6.902	96	117862	49.778	ug/l	94
28) Bromochloromethane	7.256	49	81724	54.337	ug/l	99
29) Tetrahydrofuran	7.268	42	93366	268.123	ug/l	95
30) Chloroform	7.433	83	193238	49.462	ug/l	97
31) Cyclohexane	7.707	56	161942	47.281	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	175381	48.284	ug/l	99
36) 1,1-Dichloropropene	7.847	75	140035	49.603	ug/l	99
37) Ethyl Acetate	6.994	43	66015	53.304	ug/l	98
38) Carbon Tetrachloride	7.829	117	163777	49.650	ug/l	99
39) Methylcyclohexane	9.115	83	175495	50.822	ug/l	98
40) Benzene	8.085	78	412595	49.802	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	36819	51.388	ug/l	97
42) 1,2-Dichloroethane	8.164	62	115389	50.209	ug/l	97
43) Isopropyl Acetate	8.201	43	130921	53.202	ug/l	97
44) Trichloroethene	8.872	130	104381	48.766	ug/l	94
45) 1,2-Dichloropropane	9.152	63	98859	50.274	ug/l	97
46) Dibromomethane	9.237	93	54188	49.771	ug/l	95
47) Bromodichloromethane	9.432	83	146544	50.187	ug/l	98
48) Methyl methacrylate	9.231	41	59763	53.316	ug/l	94
49) 1,4-Dioxane	9.237	88	11187	1103.757	ug/l	96
51) 4-Methyl-2-Pentanone	10.005	43	335635	271.225	ug/l	97
52) Toluene	10.176	92	262159	50.396	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	135953	51.853	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	159108	51.253	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	69843	49.539	ug/l	99
56) Ethyl methacrylate	10.444	69	101325	53.723	ug/l	92
57) 1,3-Dichloropropane	10.725	76	125517	51.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	240699	268.251	ug/l	100
59) 2-Hexanone	10.768	43	222179	278.852	ug/l	96
60) Dibromochloromethane	10.920	129	99592	50.301	ug/l	98
61) 1,2-Dibromoethane	11.024	107	66876	50.641	ug/l	99
64) Tetrachloroethene	10.652	164	92137	48.216	ug/l	98
65) Chlorobenzene	11.450	112	282230	49.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	99431	48.814	ug/l	97
67) Ethyl Benzene	11.524	91	503852	49.699	ug/l	98
68) m/p-Xylenes	11.639	106	382420	100.832	ug/l	99
69) o-Xylene	11.962	106	177959	50.328	ug/l	97
70) Styrene	11.975	104	299339	50.792	ug/l	98
71) Bromoform	12.139	173	57383	50.611	ug/l #	98
73) Isopropylbenzene	12.261	105	479265	49.395	ug/l	99
74) N-amyl acetate	12.078	43	111245	52.442	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	80421	49.837	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	52676m	46.751	ug/l	
77) Bromobenzene	12.542	156	108924	48.648	ug/l	94
78) n-propylbenzene	12.603	91	579395	50.129	ug/l	99
79) 2-Chlorotoluene	12.688	91	324838	49.070	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	389821	49.554	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	28108	50.902	ug/l	96
82) 4-Chlorotoluene	12.785	91	333089	49.386	ug/l	100
83) tert-Butylbenzene	13.005	119	350735	49.051	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	386069	50.193	ug/l	99
85) sec-Butylbenzene	13.182	105	506564	49.216	ug/l	98
86) p-Isopropyltoluene	13.298	119	423069	49.482	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	209195	48.388	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	204979	48.154	ug/l	99
89) n-Butylbenzene	13.627	91	396714	50.861	ug/l	99
90) Hexachloroethane	13.889	117	87392	48.996	ug/l	88
91) 1,2-Dichlorobenzene	13.669	146	181015	48.240	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12060	50.012	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	107696	51.562	ug/l	99
94) Hexachlorobutadiene	15.029	225	66832	48.285	ug/l	99
95) Naphthalene	15.151	128	181117	54.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	88483	50.905	ug/l	96

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

