

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011425\
 Data File : VY020810.D
 Acq On : 14 Jan 2025 08:49
 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: Jan 15 03:23:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	228062	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	328000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	274292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	134342	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	102494	52.874	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.740%	
35) Dibromofluoromethane	7.652	113	109686	53.378	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.760%	
50) Toluene-d8	10.121	98	417234	58.245	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.500%	
62) 4-Bromofluorobenzene	12.414	95	140779	53.218	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 106.440%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	72479	43.304	ug/l	98
3) Chloromethane	2.080	50	42115	47.789	ug/l	97
4) Vinyl Chloride	2.214	62	52531	53.621	ug/l	99
5) Bromomethane	2.611	94	30969	44.382	ug/l	98
6) Chloroethane	2.751	64	31967	52.908	ug/l	95
7) Trichlorofluoromethane	3.080	101	142893	47.523	ug/l	96
8) Diethyl Ether	3.470	74	44914	47.767	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.842	101	96393	47.473	ug/l	99
10) Methyl Iodide	4.025	142	108580	49.899	ug/l	96
11) Tert butyl alcohol	4.903	59	31346	214.003	ug/l	98
12) 1,1-Dichloroethene	3.812	96	85937	48.320	ug/l	98
13) Acrolein	3.671	56	4084	99.284	ug/l	99
14) Allyl chloride	4.403	41	128495	50.079	ug/l	94
15) Acrylonitrile	5.080	53	98041	245.335	ug/l	99
16) Acetone	3.897	43	65514	237.669	ug/l	99
17) Carbon Disulfide	4.129	76	193795	50.229	ug/l	99
18) Methyl Acetate	4.409	43	48525	52.136	ug/l	96
19) Methyl tert-butyl Ether	5.135	73	236115	47.043	ug/l	99
20) Methylene Chloride	4.635	84	89714	47.127	ug/l	98
21) trans-1,2-Dichloroethene	5.141	96	92207	47.080	ug/l	96
22) Diisopropyl ether	6.037	45	279413	51.120	ug/l	98
23) Vinyl Acetate	5.982	43	766368	254.296	ug/l	99
24) 1,1-Dichloroethane	5.939	63	172402	47.808	ug/l	99
25) 2-Butanone	6.915	43	111311	245.826	ug/l	94
26) 2,2-Dichloropropane	6.902	77	170773	45.611	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	115339	46.675	ug/l	99
28) Bromochloromethane	7.262	49	56351	57.911	ug/l	91
29) Tetrahydrofuran	7.280	42	73868	255.376	ug/l	96
30) Chloroform	7.439	83	186180	45.272	ug/l	97
31) Cyclohexane	7.719	56	134196	47.576	ug/l	99
32) 1,1,1-Trichloroethane	7.634	97	178894	44.597	ug/l	99
36) 1,1-Dichloropropene	7.854	75	128485	49.021	ug/l	100
37) Ethyl Acetate	7.006	43	53473	51.267	ug/l	97
38) Carbon Tetrachloride	7.835	117	165998	45.498	ug/l	99
39) Methylcyclohexane	9.122	83	161791	50.304	ug/l	98
40) Benzene	8.097	78	389144	48.376	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	27737	46.434	ug/l #	87
42) 1,2-Dichloroethane	8.171	62	100742	45.859	ug/l	98
43) Isopropyl Acetate	8.213	43	108599	51.190	ug/l	98
44) Trichloroethene	8.878	130	105681	47.127	ug/l	96
45) 1,2-Dichloropropane	9.152	63	90415	49.579	ug/l	97
46) Dibromomethane	9.244	93	50570	48.291	ug/l	97
47) Bromodichloromethane	9.439	83	139781	46.607	ug/l	97
48) Methyl methacrylate	9.231	41	48023	50.492	ug/l	98
49) 1,4-Dioxane	9.250	88	10953	985.114	ug/l	93
51) 4-Methyl-2-Pentanone	10.012	43	275892	260.309	ug/l	100
52) Toluene	10.182	92	254697	47.814	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	129324	48.482	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	150630	48.623	ug/l	97
55) 1,1,2-Trichloroethane	10.585	97	72269	48.306	ug/l	97
56) Ethyl methacrylate	10.451	69	97178	51.433	ug/l	97
57) 1,3-Dichloropropane	10.731	76	119753	49.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.725	63	184594	246.275	ug/l	98
59) 2-Hexanone	10.774	43	179977	264.690	ug/l	98
60) Dibromochloromethane	10.926	129	100290	46.221	ug/l	99
61) 1,2-Dibromoethane	11.030	107	63588	47.343	ug/l	97
64) Tetrachloroethene	10.658	164	96353	47.779	ug/l	98
65) Chlorobenzene	11.450	112	284258	46.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.530	131	106411	46.091	ug/l	99
67) Ethyl Benzene	11.530	91	502583	47.866	ug/l	99
68) m/p-Xylenes	11.639	106	376874	93.227	ug/l	100
69) o-Xylene	11.969	106	181422	47.332	ug/l	98
70) Styrene	11.981	104	307316	47.630	ug/l	99
71) Bromoform	12.145	173	61568	46.911	ug/l #	100
73) Isopropylbenzene	12.267	105	499795	46.895	ug/l	100
74) N-amyl acetate	12.084	43	94256	54.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	79006	48.910	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	56257m	47.859	ug/l	
77) Bromobenzene	12.542	156	113647	46.251	ug/l	97
78) n-propylbenzene	12.609	91	580923	48.022	ug/l	99
79) 2-Chlorotoluene	12.694	91	328495	47.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	404620	46.847	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	28155	50.504	ug/l	98
82) 4-Chlorotoluene	12.786	91	338171	47.040	ug/l	100
83) tert-Butylbenzene	13.011	119	384577	47.607	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	397692	47.151	ug/l	99
85) sec-Butylbenzene	13.188	105	539806	47.840	ug/l	99
86) p-Isopropyltoluene	13.304	119	454272	47.194	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	221498	46.393	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	217760	46.335	ug/l	99
89) n-Butylbenzene	13.627	91	407721	48.825	ug/l	99
90) Hexachloroethane	13.889	117	90087	46.609	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	192771	46.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	11940	45.715	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	120878	50.315	ug/l	99
94) Hexachlorobutadiene	15.035	225	82135	48.496	ug/l	99
95) Naphthalene	15.157	128	202973	51.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	100119	49.743	ug/l	100

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

