

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021590.D
 Acq On : 21 Mar 2025 11:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 21 23:09:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	228826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	353841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	309828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159693	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125167	51.753	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.500%	
35) Dibromofluoromethane	7.634	113	124125	53.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.740%	
50) Toluene-d8	10.109	98	455395	51.712	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.408	95	156684	52.305	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.620%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	89775	42.753	ug/l	99
3) Chloromethane	2.068	50	131600	44.452	ug/l	98
4) Vinyl Chloride	2.202	62	160130	49.495	ug/l	98
5) Bromomethane	2.592	94	104873	44.851	ug/l	100
6) Chloroethane	2.732	64	112878	52.796	ug/l	97
7) Trichlorofluoromethane	3.056	101	223116	49.409	ug/l	97
8) Diethyl Ether	3.452	74	58296	46.584	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	121975	47.310	ug/l	100
10) Methyl Iodide	4.000	142	134275	51.236	ug/l	99
11) Tert butyl alcohol	4.860	59	39641	252.298	ug/l	99
12) 1,1-Dichloroethene	3.787	96	109707	46.673	ug/l	97
13) Acrolein	3.647	56	4579	37.223	ug/l	92
14) Allyl chloride	4.385	41	180489	47.515	ug/l	99
15) Acrylonitrile	5.055	53	130487	244.945	ug/l	100
16) Acetone	3.860	43	133300	252.697	ug/l	93
17) Carbon Disulfide	4.104	76	314412	42.681	ug/l	99
18) Methyl Acetate	4.378	43	73276	62.605	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	289259	48.553	ug/l	96
20) Methylene Chloride	4.610	84	120828	43.636	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	123796	47.028	ug/l	95
22) Diisopropyl ether	6.018	45	397652	48.575	ug/l	96
23) Vinyl Acetate	5.957	43	1093152	233.981	ug/l	100
24) 1,1-Dichloroethane	5.915	63	233229	48.272	ug/l	99
25) 2-Butanone	6.890	43	181869	249.237	ug/l	98
26) 2,2-Dichloropropane	6.884	77	212231	47.740	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	146196	48.887	ug/l	97
28) Bromochloromethane	7.244	49	101845	50.280	ug/l	99
29) Tetrahydrofuran	7.256	42	109557	243.199	ug/l	100
30) Chloroform	7.421	83	241842	48.204	ug/l	97
31) Cyclohexane	7.701	56	197306	43.559	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	222440	48.422	ug/l	99
36) 1,1-Dichloropropene	7.835	75	169883	46.662	ug/l	98
37) Ethyl Acetate	6.982	43	75778	47.092	ug/l	99
38) Carbon Tetrachloride	7.817	117	201809	48.198	ug/l	100
39) Methylcyclohexane	9.109	83	208642	46.721	ug/l	99
40) Benzene	8.079	78	511406	47.685	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	49745	56.775	ug/l	91
42) 1,2-Dichloroethane	8.158	62	140981	46.990	ug/l	100
43) Isopropyl Acetate	8.195	43	148130	47.421	ug/l #	88
44) Trichloroethene	8.865	130	133795	49.369	ug/l	99
45) 1,2-Dichloropropane	9.140	63	123989	48.576	ug/l	97
46) Dibromomethane	9.231	93	68972	48.564	ug/l	99
47) Bromodichloromethane	9.420	83	184960	49.040	ug/l	99
48) Methyl methacrylate	9.219	41	68921	48.049	ug/l	98
49) 1,4-Dioxane	9.225	88	15368	1102.445	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	401106	248.864	ug/l	100
52) Toluene	10.170	92	332066	49.112	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	164257	49.432	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	195588	49.577	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	90161	48.531	ug/l	97
56) Ethyl methacrylate	10.438	69	120211	50.736	ug/l	98
57) 1,3-Dichloropropane	10.719	76	156412	48.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	302087	276.195	ug/l	99
59) 2-Hexanone	10.761	43	271613	254.862	ug/l	99
60) Dibromochloromethane	10.914	129	126377	49.620	ug/l	99
61) 1,2-Dibromoethane	11.018	107	85510	48.769	ug/l	98
64) Tetrachloroethene	10.646	164	136129	54.032	ug/l	97
65) Chlorobenzene	11.444	112	354247	48.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	127101	49.136	ug/l	99
67) Ethyl Benzene	11.517	91	638617	49.729	ug/l	99
68) m/p-Xylenes	11.627	106	485256	99.531	ug/l	100
69) o-Xylene	11.956	106	226972	50.513	ug/l	100
70) Styrene	11.969	104	385437	51.707	ug/l	99
71) Bromoform	12.133	173	74116	51.256	ug/l #	100
73) Isopropylbenzene	12.255	105	614615	48.859	ug/l	99
74) N-amyl acetate	12.072	43	132967	48.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	100959	45.480	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	77040m	47.875	ug/l	
77) Bromobenzene	12.536	156	139060	47.252	ug/l	98
78) n-propylbenzene	12.597	91	742193	48.581	ug/l	100
79) 2-Chlorotoluene	12.682	91	413081	47.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	504342	49.335	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	33009	46.632	ug/l	95
82) 4-Chlorotoluene	12.779	91	422472	46.704	ug/l	99
83) tert-Butylbenzene	12.999	119	443848	48.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	502266	49.484	ug/l	99
85) sec-Butylbenzene	13.176	105	660880	48.706	ug/l	99
86) p-Isopropyltoluene	13.292	119	552355	49.412	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	279836	47.769	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	276591	48.278	ug/l	98
89) n-Butylbenzene	13.621	91	518028	50.185	ug/l	99
90) Hexachloroethane	13.883	117	114788	48.134	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	244196	48.636	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15361	46.195	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	139915	51.019	ug/l	99
94) Hexachlorobutadiene	15.029	225	85565	49.774	ug/l	99
95) Naphthalene	15.145	128	229369	49.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	115717	50.170	ug/l	100

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

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