

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021643.D
 Acq On : 26 Mar 2025 12:56
 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 27 01:31:00 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	195557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	305023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	268880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137761	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96091	46.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.980%
35) Dibromofluoromethane	7.634	113	97274	48.517	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.040%
50) Toluene-d8	10.103	98	361530	47.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.408	95	123596	47.863	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.720%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	77746	43.323	ug/l	99
3) Chloromethane	2.068	50	119169	47.101	ug/l	99
4) Vinyl Chloride	2.202	62	139959	50.620	ug/l	98
5) Bromomethane	2.592	94	99601	49.843	ug/l	98
6) Chloroethane	2.733	64	101789	55.709	ug/l	97
7) Trichlorofluoromethane	3.056	101	196996	51.046	ug/l	96
8) Diethyl Ether	3.452	74	53875	50.375	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	107994	49.014	ug/l	100
10) Methyl Iodide	4.007	142	122765	54.813	ug/l	99
11) Tert butyl alcohol	4.848	59	31443	232.387	ug/l	98
12) 1,1-Dichloroethene	3.787	96	100173	49.867	ug/l	99
13) Acrolein	3.647	56	3288	31.275	ug/l	94
14) Allyl chloride	4.385	41	169165	52.110	ug/l	99
15) Acrylonitrile	5.055	53	116589	256.089	ug/l	99
16) Acetone	3.867	43	127386	282.569	ug/l	94
17) Carbon Disulfide	4.104	76	271988	43.204	ug/l	99
18) Methyl Acetate	4.385	43	68109	68.090	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	265959	52.236	ug/l	99
20) Methylene Chloride	4.616	84	116342	49.164	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	113842	50.604	ug/l	94
22) Diisopropyl ether	6.019	45	374678	53.555	ug/l	96
23) Vinyl Acetate	5.958	43	995235	249.263	ug/l	100
24) 1,1-Dichloroethane	5.909	63	220272	53.346	ug/l	99
25) 2-Butanone	6.890	43	162670	260.852	ug/l	99
26) 2,2-Dichloropropane	6.884	77	197107	51.881	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136292	53.328	ug/l	98
28) Bromochloromethane	7.244	49	92056	53.179	ug/l	98
29) Tetrahydrofuran	7.262	42	95523	248.120	ug/l	98
30) Chloroform	7.421	83	230765	53.821	ug/l	97
31) Cyclohexane	7.701	56	169457	43.776	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	202027	51.460	ug/l	100
36) 1,1-Dichloropropene	7.835	75	156774	49.954	ug/l	98
37) Ethyl Acetate	6.982	43	66159	47.695	ug/l	99
38) Carbon Tetrachloride	7.817	117	183135	50.738	ug/l	99
39) Methylcyclohexane	9.110	83	180867	46.983	ug/l	97
40) Benzene	8.079	78	477731	51.674	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	37897	50.175	ug/l #	95
42) 1,2-Dichloroethane	8.158	62	132533	51.244	ug/l	100
43) Isopropyl Acetate	8.195	43	131908	48.986	ug/l #	89
44) Trichloroethene	8.866	130	121377	51.955	ug/l	95
45) 1,2-Dichloropropane	9.140	63	118033	53.644	ug/l	94
46) Dibromomethane	9.231	93	63374	51.764	ug/l	99
47) Bromodichloromethane	9.420	83	176017	54.138	ug/l	99
48) Methyl methacrylate	9.219	41	61475	49.717	ug/l	96
49) 1,4-Dioxane	9.225	88	13482	1121.940	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	355460	255.841	ug/l	99
52) Toluene	10.170	92	307085	52.686	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	154028	53.772	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	181468	53.359	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	84954	53.047	ug/l	96
56) Ethyl methacrylate	10.439	69	110330	54.018	ug/l	99
57) 1,3-Dichloropropane	10.719	76	145552	52.439	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	246714	261.670	ug/l	100
59) 2-Hexanone	10.762	43	248903	270.932	ug/l	99
60) Dibromochloromethane	10.914	129	117440	53.491	ug/l	98
61) 1,2-Dibromoethane	11.012	107	77877	51.524	ug/l	99
64) Tetrachloroethene	10.646	164	124442	56.915	ug/l	97
65) Chlorobenzene	11.444	112	335578	52.851	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	119864	53.395	ug/l	99
67) Ethyl Benzene	11.518	91	592645	53.178	ug/l	98
68) m/p-Xylenes	11.627	106	451100	106.616	ug/l	99
69) o-Xylene	11.957	106	212228	54.424	ug/l	100
70) Styrene	11.969	104	358946	55.486	ug/l	99
71) Bromoform	12.133	173	67410	53.718	ug/l #	98
73) Isopropylbenzene	12.255	105	566149	52.171	ug/l	99
74) N-amyl acetate	12.072	43	117882	50.019	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93843	49.005	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	68184m	49.117	ug/l	
77) Bromobenzene	12.530	156	130392	51.360	ug/l	98
78) n-propylbenzene	12.597	91	692799	52.568	ug/l	100
79) 2-Chlorotoluene	12.682	91	394620	52.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	466297	52.875	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29635	48.530	ug/l	98
82) 4-Chlorotoluene	12.780	91	410312	52.581	ug/l	100
83) tert-Butylbenzene	12.999	119	419959	53.381	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	468226	53.475	ug/l	99
85) sec-Butylbenzene	13.176	105	621602	53.104	ug/l	99
86) p-Isopropyltoluene	13.292	119	515136	53.419	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	265092	52.456	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	255211	51.638	ug/l	100
89) n-Butylbenzene	13.621	91	482214	54.153	ug/l	99
90) Hexachloroethane	13.883	117	106838	51.933	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	228800	52.824	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13629	47.512	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	127767	54.006	ug/l	99
94) Hexachlorobutadiene	15.023	225	81462	54.931	ug/l	99
95) Naphthalene	15.145	128	204084	50.920	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	106575	53.562	ug/l	99

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

