

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021654.D
 Acq On : 26 Mar 2025 18:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 27 01:33:46 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	185307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	290808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	269237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141707	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	87165	44.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.000%
35) Dibromofluoromethane	7.634	113	86564	45.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.580%
50) Toluene-d8	10.103	98	312069	43.118	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.240%
62) 4-Bromofluorobenzene	12.408	95	113316	46.027	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	72090	42.394	ug/l	97
3) Chloromethane	2.068	50	110957	46.281	ug/l	97
4) Vinyl Chloride	2.202	62	134770	51.440	ug/l	98
5) Bromomethane	2.592	94	89854	47.453	ug/l	96
6) Chloroethane	2.733	64	95163	54.964	ug/l	99
7) Trichlorofluoromethane	3.056	101	181687	49.684	ug/l	98
8) Diethyl Ether	3.452	74	51545	50.862	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	101012	48.381	ug/l	100
10) Methyl Iodide	4.001	142	115942	54.630	ug/l	98
11) Tert butyl alcohol	4.854	59	31182	244.359	ug/l	98
12) 1,1-Dichloroethene	3.787	96	91122	47.871	ug/l	99
13) Acrolein	3.647	56	3977	39.921	ug/l	88
14) Allyl chloride	4.385	41	157575	51.225	ug/l	100
15) Acrylonitrile	5.055	53	115518	267.772	ug/l	99
16) Acetone	3.867	43	86888	203.397	ug/l	93
17) Carbon Disulfide	4.104	76	254633	42.684	ug/l	100
18) Methyl Acetate	4.379	43	70227	74.091	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	257076	53.285	ug/l	99
20) Methylene Chloride	4.610	84	111027	49.513	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	104843	49.181	ug/l	98
22) Diisopropyl ether	6.019	45	364666	55.007	ug/l	97
23) Vinyl Acetate	5.958	43	951711	251.546	ug/l	100
24) 1,1-Dichloroethane	5.915	63	208140	53.197	ug/l	100
25) 2-Butanone	6.890	43	142493	241.135	ug/l	99
26) 2,2-Dichloropropane	6.884	77	178706	49.639	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	128320	52.986	ug/l	98
28) Bromochloromethane	7.244	49	89194	54.375	ug/l	99
29) Tetrahydrofuran	7.262	42	95091	260.660	ug/l	99
30) Chloroform	7.421	83	219069	53.919	ug/l	96
31) Cyclohexane	7.701	56	158849	43.305	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	192235	51.674	ug/l	99
36) 1,1-Dichloropropene	7.835	75	145605	48.663	ug/l	99
37) Ethyl Acetate	6.982	43	67408	50.971	ug/l	99
38) Carbon Tetrachloride	7.817	117	171949	49.968	ug/l	100
39) Methylcyclohexane	9.109	83	170020	46.324	ug/l	97
40) Benzene	8.079	78	455401	51.667	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	37813	52.511	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	128203	51.992	ug/l	100
43) Isopropyl Acetate	8.195	43	132327	51.544	ug/l #	88
44) Trichloroethene	8.866	130	115176	51.710	ug/l	95
45) 1,2-Dichloropropane	9.140	63	112962	53.848	ug/l	98
46) Dibromomethane	9.225	93	61750	52.903	ug/l	99
47) Bromodichloromethane	9.420	83	168824	54.463	ug/l	100
48) Methyl methacrylate	9.219	41	61327	52.021	ug/l	97
49) 1,4-Dioxane	9.225	88	12417	1083.822	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	359396	271.318	ug/l	100
52) Toluene	10.170	92	293245	52.771	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	147179	53.893	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	173605	53.543	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	83743	54.847	ug/l	97
56) Ethyl methacrylate	10.439	69	109446	56.205	ug/l	99
57) 1,3-Dichloropropane	10.713	76	143780	54.333	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	243917	271.349	ug/l	100
59) 2-Hexanone	10.762	43	236016	269.462	ug/l	100
60) Dibromochloromethane	10.908	129	114923	54.903	ug/l	99
61) 1,2-Dibromoethane	11.012	107	76439	53.045	ug/l	97
64) Tetrachloroethene	10.646	164	121072	55.301	ug/l	96
65) Chlorobenzene	11.438	112	321162	50.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	119162	53.012	ug/l	97
67) Ethyl Benzene	11.518	91	566451	50.760	ug/l	99
68) m/p-Xylenes	11.627	106	430096	101.517	ug/l	99
69) o-Xylene	11.957	106	206698	52.936	ug/l	100
70) Styrene	11.969	104	350050	54.039	ug/l	99
71) Bromoform	12.133	173	67136	53.428	ug/l	98
73) Isopropylbenzene	12.255	105	549344	49.213	ug/l	100
74) N-amyl acetate	12.072	43	120464	49.692	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	92244	46.829	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	68039m	47.648	ug/l	
77) Bromobenzene	12.530	156	131351	50.297	ug/l	94
78) n-propylbenzene	12.597	91	663110	48.914	ug/l	100
79) 2-Chlorotoluene	12.682	91	381515	49.217	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	450466	49.658	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	28231	44.944	ug/l	98
82) 4-Chlorotoluene	12.780	91	396316	49.373	ug/l	100
83) tert-Butylbenzene	12.999	119	411190	50.811	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	450532	50.021	ug/l	100
85) sec-Butylbenzene	13.176	105	597406	49.616	ug/l	100
86) p-Isopropyltoluene	13.292	119	495366	49.938	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	249477	47.992	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	249014	48.981	ug/l	99
89) n-Butylbenzene	13.615	91	463415	50.592	ug/l	99
90) Hexachloroethane	13.877	117	105253	49.738	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	219518	49.270	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14533	49.252	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	129131	53.063	ug/l	98
94) Hexachlorobutadiene	15.023	225	78451	51.428	ug/l	99
95) Naphthalene	15.145	128	224781	54.094	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	109804	53.648	ug/l	100

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

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