

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021684.D
 Acq On : 28 Mar 2025 11:55
 Operator : SY/MD
 Sample : VY0328SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0328SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/31/2025
 Supervised By :Semsettin Yesilyurt 03/31/2025

Quant Time: Mar 28 23:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	213072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	334394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	294300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125374	54.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.634	113	121099	55.828	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.660%			
50) Toluene-d8	10.103	98	472315	57.236	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.480%			
62) 4-Bromofluorobenzene	12.408	95	153736	55.078	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	43032	19.485	ug/l	98
3) Chloromethane	2.068	50	63391	20.413	ug/l	99
4) Vinyl Chloride	2.202	62	67876	19.327	ug/l	97
5) Bromomethane	2.592	94	50038	20.890	ug/l	99
6) Chloroethane	2.733	64	45901	19.974	ug/l	100
7) Trichlorofluoromethane	3.056	101	89969	19.999	ug/l	96
8) Diethyl Ether	3.452	74	22397	18.307	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	47667	20.089	ug/l	96
10) Methyl Iodide	4.001	142	45737	17.571	ug/l	98
11) Tert butyl alcohol	4.848	59	12735	84.930	ug/l	96
12) 1,1-Dichloroethene	3.787	96	43551	19.487	ug/l	99
13) Acrolein	3.653	56	22370	81.703	ug/l	98
14) Allyl chloride	4.379	41	67461	18.932	ug/l	99
15) Acrylonitrile	5.055	53	46954	91.918	ug/l	98
16) Acetone	3.867	43	36547	77.352	ug/l	99
17) Carbon Disulfide	4.104	76	145819	19.809	ug/l	99
18) Methyl Acetate	4.379	43	22634	19.329	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	103134	18.535	ug/l	97
20) Methylene Chloride	4.610	84	50561	19.511	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	49140	19.970	ug/l	97
22) Diisopropyl ether	6.013	45	151352	20.248	ug/l	99
23) Vinyl Acetate	5.958	43	398524	91.134	ug/l	100
24) 1,1-Dichloroethane	5.915	63	89724	20.074	ug/l	99
25) 2-Butanone	6.897	43	57274	84.871	ug/l	98
26) 2,2-Dichloropropane	6.884	77	78308	19.696	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53242	19.240	ug/l	98
28) Bromochloromethane	7.238	49	38586	20.470	ug/l	100
29) Tetrahydrofuran	7.262	42	39489	90.922	ug/l	98
30) Chloroform	7.421	83	94642	20.358	ug/l	98
31) Cyclohexane	7.701	56	78680	19.310	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	84505	20.112	ug/l	99
36) 1,1-Dichloropropene	7.829	75	67509	20.433	ug/l	99
37) Ethyl Acetate	6.982	43	27529	17.655	ug/l	99
38) Carbon Tetrachloride	7.811	117	76253	20.151	ug/l	98
39) Methylcyclohexane	9.103	83	77093	19.532	ug/l	95
40) Benzene	8.079	78	203139	20.530	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	16737m	20.212	ug/l	
42) 1,2-Dichloroethane	8.159	62	54350	19.484	ug/l	99
43) Isopropyl Acetate	8.195	43	53595	18.137	ug/l	99
44) Trichloroethene	8.860	130	50815	20.156	ug/l	99
45) 1,2-Dichloropropane	9.140	63	46938	20.041	ug/l	100
46) Dibromomethane	9.231	93	26320	19.499	ug/l	97
47) Bromodichloromethane	9.420	83	70471	20.148	ug/l	95
48) Methyl methacrylate	9.219	41	25166	18.556	ug/l	98
49) 1,4-Dioxane	9.231	88	5381	372.132	ug/l	97
51) 4-Methyl-2-Pentanone	9.994	43	138995	90.388	ug/l	100
52) Toluene	10.170	92	126444	20.482	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	59685	19.212	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	70767	19.309	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	34187	19.681	ug/l	96
56) Ethyl methacrylate	10.439	69	39633	17.869	ug/l	98
57) 1,3-Dichloropropane	10.719	76	58366	19.456	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	101258	93.583	ug/l	99
59) 2-Hexanone	10.762	43	91431	89.278	ug/l	97
60) Dibromochloromethane	10.908	129	46836	19.748	ug/l	97
61) 1,2-Dibromoethane	11.018	107	31093	19.082	ug/l	97
64) Tetrachloroethene	10.646	164	56113	20.935	ug/l	97
65) Chlorobenzene	11.438	112	134239	19.898	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	46751	19.532	ug/l	97
67) Ethyl Benzene	11.518	91	228741	19.773	ug/l	99
68) m/p-Xylenes	11.627	106	177031	39.963	ug/l	99
69) o-Xylene	11.957	106	81518	19.935	ug/l	98
70) Styrene	11.969	104	135444	19.866	ug/l	99
71) Bromoform	12.133	173	26243	19.221	ug/l #	100
73) Isopropylbenzene	12.255	105	213686	18.937	ug/l	100
74) N-amyl acetate	12.072	43	44777	16.908	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	37411	18.440	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	28133m	18.681	ug/l	
77) Bromobenzene	12.530	156	51994	19.191	ug/l	99
78) n-propylbenzene	12.597	91	266802	19.666	ug/l	100
79) 2-Chlorotoluene	12.682	91	153198	19.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	180430	19.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11086	16.962	ug/l	95
82) 4-Chlorotoluene	12.780	91	156677	19.072	ug/l	98
83) tert-Butylbenzene	12.999	119	155707	18.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	181125	19.871	ug/l	98
85) sec-Butylbenzene	13.176	105	236854	19.730	ug/l	99
86) p-Isopropyltoluene	13.292	119	193258	19.478	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	103953	19.474	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	100969	19.145	ug/l	97
89) n-Butylbenzene	13.621	91	177566	19.351	ug/l	99
90) Hexachloroethane	13.877	117	41780	19.216	ug/l	100
91) 1,2-Dichlorobenzene	13.658	146	88975	19.148	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5485	17.443	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	44734	17.752	ug/l	99
94) Hexachlorobutadiene	15.023	225	30223	19.204	ug/l	98
95) Naphthalene	15.145	128	68964	16.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38202	17.778	ug/l	99

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

