

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022430.D
 Acq On : 27 May 2025 13:35
 Operator : SY/MD
 Sample : VY0527SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBS01

Quant Time: May 28 11:20:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	230468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	399143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	340460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	155764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126153	51.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.940%			
35) Dibromofluoromethane	7.634	113	119363	51.064	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.120%			
50) Toluene-d8	10.103	98	478633	50.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.402	95	139946	48.553	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	48906	22.242	ug/l	95
3) Chloromethane	2.068	50	133284	24.643	ug/l	100
4) Vinyl Chloride	2.202	62	146083	22.233	ug/l	98
5) Bromomethane	2.592	94	146140	24.475	ug/l	97
6) Chloroethane	2.733	64	100853	23.489	ug/l	97
7) Trichlorofluoromethane	3.050	101	129189	23.304	ug/l	99
8) Diethyl Ether	3.458	74	28054	21.947	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	52971	21.780	ug/l	98
10) Methyl Iodide	4.001	142	52498	19.133	ug/l	99
11) Tert butyl alcohol	4.879	59	17417	101.788	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	51748	21.431	ug/l	93
13) Acrolein	3.653	56	26027	101.515	ug/l	97
14) Allyl chloride	4.379	41	76669	21.108	ug/l	98
15) Acrylonitrile	5.061	53	54240	105.272	ug/l	98
16) Acetone	3.873	43	38917	97.560	ug/l	92
17) Carbon Disulfide	4.104	76	164494	21.347	ug/l	99
18) Methyl Acetate	4.391	43	36478	24.412	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	134624	21.000	ug/l	100
20) Methylene Chloride	4.616	84	58197	20.660	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	56538	21.447	ug/l	98
22) Diisopropyl ether	6.019	45	173680	21.665	ug/l	98
23) Vinyl Acetate	5.958	43	465656	101.165	ug/l	99
24) 1,1-Dichloroethane	5.915	63	102108	21.556	ug/l	99
25) 2-Butanone	6.896	43	66547	100.170	ug/l	99
26) 2,2-Dichloropropane	6.884	77	89103	20.774	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	66528	21.800	ug/l	98
28) Bromochloromethane	7.250	49	42697	21.586	ug/l	98
29) Tetrahydrofuran	7.262	42	46559	105.084	ug/l	97
30) Chloroform	7.421	83	101394	21.723	ug/l	98
31) Cyclohexane	7.701	56	93643	20.054	ug/l #	93
32) 1,1,1-Trichloroethane	7.616	97	90476	21.358	ug/l	100
36) 1,1-Dichloropropene	7.835	75	74812	20.169	ug/l	100
37) Ethyl Acetate	6.982	43	32652	20.713	ug/l	99
38) Carbon Tetrachloride	7.817	117	77697	20.108	ug/l	97
39) Methylcyclohexane	9.109	83	98231	19.923	ug/l	99
40) Benzene	8.079	78	230138	20.851	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	21986m	22.980	ug/l	
42) 1,2-Dichloroethane	8.158	62	60983	20.920	ug/l	99
43) Isopropyl Acetate	8.195	43	69531	20.185	ug/l	99
44) Trichloroethene	8.866	130	55229	20.242	ug/l	99
45) 1,2-Dichloropropane	9.140	63	54068	20.850	ug/l	99
46) Dibromomethane	9.231	93	29341	20.254	ug/l	99
47) Bromodichloromethane	9.420	83	76948	20.656	ug/l	100
48) Methyl methacrylate	9.219	41	32772	20.495	ug/l	98
49) 1,4-Dioxane	9.231	88	6738	421.110	ug/l #	95
51) 4-Methyl-2-Pentanone	10.000	43	168616	99.209	ug/l	99
52) Toluene	10.170	92	142314	20.644	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	69585	20.054	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	82670	20.276	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	37845	20.663	ug/l	98
56) Ethyl methacrylate	10.438	69	52031	19.796	ug/l	100
57) 1,3-Dichloropropane	10.719	76	66285	20.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	129124	98.573	ug/l	100
59) 2-Hexanone	10.762	43	108584	97.487	ug/l	97
60) Dibromochloromethane	10.908	129	48358	20.669	ug/l	100
61) 1,2-Dibromoethane	11.012	107	34056	20.330	ug/l	97
64) Tetrachloroethene	10.646	164	57716	19.905	ug/l	95
65) Chlorobenzene	11.438	112	147244	20.283	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	49061	19.946	ug/l	98
67) Ethyl Benzene	11.518	91	265605	19.704	ug/l	100
68) m/p-Xylenes	11.627	106	200646	39.260	ug/l	98
69) o-Xylene	11.957	106	95157	19.811	ug/l	100
70) Styrene	11.969	104	159948	19.999	ug/l	99
71) Bromoform	12.133	173	25744	19.982	ug/l #	96
73) Isopropylbenzene	12.255	105	250558	20.438	ug/l	99
74) N-amyl acetate	12.066	43	57558	19.188	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39835	20.624	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	28660m	18.369	ug/l	
77) Bromobenzene	12.530	156	53210	20.170	ug/l	98
78) n-propylbenzene	12.591	91	298731	20.305	ug/l	99
79) 2-Chlorotoluene	12.676	91	160337	20.133	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	194158	20.270	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	13162	19.077	ug/l	94
82) 4-Chlorotoluene	12.773	91	165029	20.120	ug/l	99
83) tert-Butylbenzene	12.999	119	176391	20.382	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	195735	20.306	ug/l	100
85) sec-Butylbenzene	13.176	105	264497	20.608	ug/l	100
86) p-Isopropyltoluene	13.292	119	213252	19.898	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	104797	19.743	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	104056	20.501	ug/l	97
89) n-Butylbenzene	13.615	91	204753	20.376	ug/l	99
90) Hexachloroethane	13.877	117	44745	20.980	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	91980	20.746	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5660	18.964	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	51786	21.069	ug/l	100
94) Hexachlorobutadiene	15.023	225	27978	21.690	ug/l	97
95) Naphthalene	15.139	128	92664	20.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	43102	21.382	ug/l	98

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

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