

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022474.D
 Acq On : 30 May 2025 13:14
 Operator : SY/MD
 Sample : VY0530SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0530SBS01

Quant Time: May 31 02:25:25 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 : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	186406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	281139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112710	57.405	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.800%			
35) Dibromofluoromethane	7.634	113	101504	52.018	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.040%			
50) Toluene-d8	10.103	98	415894	52.283	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.560%			
62) 4-Bromofluorobenzene	12.408	95	121648	50.557	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	42196	23.726	ug/l	98
3) Chloromethane	2.068	50	128677	29.415	ug/l	98
4) Vinyl Chloride	2.202	62	144461	27.183	ug/l	100
5) Bromomethane	2.592	94	138463	28.671	ug/l	99
6) Chloroethane	2.732	64	94531	27.221	ug/l	97
7) Trichlorofluoromethane	3.049	101	116903	26.072	ug/l	93
8) Diethyl Ether	3.458	74	24241	23.447	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	44364	22.553	ug/l	99
10) Methyl Iodide	4.000	142	45731	20.606	ug/l	99
11) Tert butyl alcohol	4.885	59	14483	104.649	ug/l	99
12) 1,1-Dichloroethene	3.787	96	45173	23.130	ug/l	99
13) Acrolein	3.659	56	18956	91.412	ug/l	100
14) Allyl chloride	4.378	41	67558	22.996	ug/l	98
15) Acrylonitrile	5.061	53	46863	112.454	ug/l	97
16) Acetone	3.879	43	35234	109.206	ug/l	91
17) Carbon Disulfide	4.104	76	138681	22.251	ug/l	100
18) Methyl Acetate	4.391	43	30606	25.324	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	119136	22.977	ug/l	98
20) Methylene Chloride	4.616	84	54795	24.051	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	49059	23.009	ug/l	97
22) Diisopropyl ether	6.018	45	148455	22.896	ug/l	99
23) Vinyl Acetate	5.957	43	403754	108.451	ug/l	99
24) 1,1-Dichloroethane	5.915	63	91642	23.919	ug/l	98
25) 2-Butanone	6.896	43	56982	106.047	ug/l	97
26) 2,2-Dichloropropane	6.878	77	71614	20.643	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56587	22.925	ug/l	99
28) Bromochloromethane	7.238	49	38419	24.014	ug/l	97
29) Tetrahydrofuran	7.262	42	38811	108.303	ug/l	99
30) Chloroform	7.421	83	90494	23.970	ug/l	99
31) Cyclohexane	7.701	56	83147	22.016	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	78230	22.832	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65246	21.071	ug/l	99
37) Ethyl Acetate	6.982	43	27413	20.831	ug/l	97
38) Carbon Tetrachloride	7.817	117	68592	21.265	ug/l	94
39) Methylcyclohexane	9.109	83	85165	20.691	ug/l	98
40) Benzene	8.079	78	200374	21.748	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	14446m	18.087	ug/l	
42) 1,2-Dichloroethane	8.158	62	53093	21.818	ug/l	98
43) Isopropyl Acetate	8.195	43	59052	20.536	ug/l	99
44) Trichloroethene	8.865	130	47702	20.943	ug/l	97
45) 1,2-Dichloropropane	9.140	63	46602	21.527	ug/l	98
46) Dibromomethane	9.231	93	25945	21.454	ug/l	98
47) Bromodichloromethane	9.420	83	67736	21.782	ug/l	98
48) Methyl methacrylate	9.219	41	27457	20.570	ug/l	99
49) 1,4-Dioxane	9.237	88	5872	439.617	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	144733	102.010	ug/l	99
52) Toluene	10.170	92	123925	21.534	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	61162	21.115	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	71302	20.949	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	31568	20.647	ug/l	96
56) Ethyl methacrylate	10.438	69	44712	20.378	ug/l	96
57) 1,3-Dichloropropane	10.719	76	57536	21.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	106603	97.487	ug/l	99
59) 2-Hexanone	10.761	43	89757	96.532	ug/l	98
60) Dibromochloromethane	10.908	129	40992	20.988	ug/l	97
61) 1,2-Dibromoethane	11.018	107	28558	20.422	ug/l	95
64) Tetrachloroethene	10.646	164	49047	20.485	ug/l	94
65) Chlorobenzene	11.438	112	127560	21.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	42628	20.988	ug/l	100
67) Ethyl Benzene	11.517	91	231713	20.817	ug/l	98
68) m/p-Xylenes	11.627	106	174451	41.337	ug/l	99
69) o-Xylene	11.956	106	84037	21.188	ug/l	98
70) Styrene	11.969	104	136057	20.601	ug/l	99
71) Bromoform	12.133	173	21950	20.632	ug/l #	95
73) Isopropylbenzene	12.255	105	212227	21.343	ug/l	100
74) N-amyl acetate	12.072	43	49092	20.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33341	21.281	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	25071m	19.810	ug/l	
77) Bromobenzene	12.529	156	46149	21.566	ug/l	99
78) n-propylbenzene	12.597	91	260496	21.829	ug/l	99
79) 2-Chlorotoluene	12.676	91	140011	21.674	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	166861	21.476	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	11249	20.101	ug/l	96
82) 4-Chlorotoluene	12.779	91	140053	21.051	ug/l	100
83) tert-Butylbenzene	12.999	119	150085	21.381	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	165819	21.208	ug/l	99
85) sec-Butylbenzene	13.176	105	223069	21.428	ug/l	99
86) p-Isopropyltoluene	13.292	119	181615	20.892	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	90362	20.987	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	87543	21.264	ug/l	98
89) n-Butylbenzene	13.615	91	174096	21.359	ug/l	99
90) Hexachloroethane	13.883	117	37738	21.814	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	77337	21.505	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4842	20.001	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	40233	20.180	ug/l	99
94) Hexachlorobutadiene	15.023	225	22027	21.052	ug/l	97
95) Naphthalene	15.145	128	72122	19.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	34078	20.842	ug/l	97

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

