

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022418.D
 Acq On : 23 May 2025 19:57
 Operator : SY/MD
 Sample : VY0523SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS02

Quant Time: May 23 23:25:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/27/2025
 Supervised By :Semsettin Yesilyurt 05/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	188145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	318316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	266789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	95881	46.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.260%		
35) Dibromofluoromethane	7.646	113	90770	47.776	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.560%		
50) Toluene-d8	10.115	98	366782	47.137	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.280%		
62) 4-Bromofluorobenzene	12.408	95	110329	44.734	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	40670	20.716	ug/l	98
3) Chloromethane	2.068	50	103352	25.026	ug/l	99
4) Vinyl Chloride	2.208	62	120554	26.128	ug/l	100
5) Bromomethane	2.599	94	148097	39.430	ug/l	100
6) Chloroethane	2.739	64	91541	31.891	ug/l	96
7) Trichlorofluoromethane	3.056	101	115733	24.775	ug/l	98
8) Diethyl Ether	3.458	74	22038	19.658	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	44847	22.114	ug/l	99
10) Methyl Iodide	4.019	142	45421	19.351	ug/l	97
11) Tert butyl alcohol	4.897	59	13660	86.994	ug/l #	100
12) 1,1-Dichloroethene	3.800	96	42310	21.023	ug/l	94
13) Acrolein	3.665	56	10646	46.377	ug/l	97
14) Allyl chloride	4.397	41	60980	17.281	ug/l	92
15) Acrylonitrile	5.080	53	43301	93.738	ug/l	99
16) Acetone	3.897	43	31651	82.091	ug/l	95
17) Carbon Disulfide	4.110	76	130746	19.923	ug/l	98
18) Methyl Acetate	4.403	43	21974	18.076	ug/l	95
19) Methyl tert-butyl Ether	5.129	73	111039	20.010	ug/l	98
20) Methylene Chloride	4.623	84	48162	19.332	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	46960	21.140	ug/l	95
22) Diisopropyl ether	6.031	45	137638	18.470	ug/l	98
23) Vinyl Acetate	5.970	43	397302	88.250	ug/l	95
24) 1,1-Dichloroethane	5.921	63	83911	20.155	ug/l	99
25) 2-Butanone	6.903	43	52924	82.062	ug/l	97
26) 2,2-Dichloropropane	6.890	77	70529	19.047	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	53739	20.964	ug/l	96
28) Bromochloromethane	7.256	49	35843	20.184	ug/l	93
29) Tetrahydrofuran	7.274	42	37346	90.008	ug/l	93
30) Chloroform	7.433	83	83918	21.014	ug/l	99
31) Cyclohexane	7.707	56	81364	19.560	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	76528	20.888	ug/l	98
36) 1,1-Dichloropropene	7.841	75	63277	20.221	ug/l	99
37) Ethyl Acetate	7.000	43	26853	17.834	ug/l #	96
38) Carbon Tetrachloride	7.829	117	66090	20.403	ug/l	97
39) Methylcyclohexane	9.116	83	85957	20.445	ug/l	96
40) Benzene	8.091	78	189699	20.448	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15726	15.745	ug/l #	80
42) 1,2-Dichloroethane	8.171	62	50732	20.222	ug/l	98
43) Isopropyl Acetate	8.207	43	55731	16.972	ug/l	97
44) Trichloroethene	8.872	130	47030	20.389	ug/l	87
45) 1,2-Dichloropropane	9.146	63	44227	19.774	ug/l	98
46) Dibromomethane	9.238	93	24472	20.286	ug/l	99
47) Bromodichloromethane	9.433	83	63262	20.215	ug/l	96
48) Methyl methacrylate	9.225	41	24543	15.982	ug/l	90
49) 1,4-Dioxane	9.250	88	5296	388.613	ug/l #	83
51) 4-Methyl-2-Pentanone	10.006	43	135984	84.398	ug/l	95
52) Toluene	10.176	92	117986	20.084	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	55611	18.208	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	67324	19.240	ug/l	93
55) 1,1,2-Trichloroethane	10.579	97	31383	20.316	ug/l	97
56) Ethyl methacrylate	10.445	69	43763	18.187	ug/l	95
57) 1,3-Dichloropropane	10.719	76	55286	20.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	93085	86.187	ug/l	96
59) 2-Hexanone	10.768	43	89929	83.244	ug/l	96
60) Dibromochloromethane	10.920	129	38750	19.327	ug/l	100
61) 1,2-Dibromoethane	11.018	107	28149	19.551	ug/l	100
64) Tetrachloroethene	10.652	164	51610	20.929	ug/l	97
65) Chlorobenzene	11.451	112	123988	20.599	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	40274	19.463	ug/l	97
67) Ethyl Benzene	11.524	91	220886	19.595	ug/l	99
68) m/p-Xylenes	11.633	106	168885	39.760	ug/l	95
69) o-Xylene	11.957	106	80449	20.018	ug/l	94
70) Styrene	11.975	104	132208	19.502	ug/l	97
71) Bromoform	12.139	173	21258	19.033	ug/l #	99
73) Isopropylbenzene	12.261	105	207642	19.453	ug/l	99
74) N-amyl acetate	12.079	43	48171	15.779	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	30722	18.715	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	27497m	21.065	ug/l	
77) Bromobenzene	12.536	156	44435	19.491	ug/l	95
78) n-propylbenzene	12.597	91	248465	19.298	ug/l	100
79) 2-Chlorotoluene	12.682	91	133986	18.937	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	162475	18.856	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.310	75	11173	17.339	ug/l	94
82) 4-Chlorotoluene	12.780	91	136735	18.789	ug/l	97
83) tert-Butylbenzene	12.999	119	151311	19.757	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	161528	18.884	ug/l	96
85) sec-Butylbenzene	13.182	105	225056	19.796	ug/l	100
86) p-Isopropyltoluene	13.298	119	181689	19.002	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	89165	19.159	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	84865	18.957	ug/l	99
89) n-Butylbenzene	13.621	91	173834	19.218	ug/l	99
90) Hexachloroethane	13.883	117	35991	18.647	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	76275	19.511	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4347	16.422	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	40823	18.078	ug/l	96
94) Hexachlorobutadiene	15.029	225	24282	19.282	ug/l	98
95) Naphthalene	15.151	128	77489	18.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	34606	18.065	ug/l	98

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

