

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022840.D
 Acq On : 26 Jun 2025 11:09
 Operator : SY/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Quant Time: Jun 27 01:24:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	434636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	740035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	637859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	251125	51.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.540%	
35) Dibromofluoromethane	7.634	113	226818	50.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.800%	
50) Toluene-d8	10.109	98	910365	50.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.960%	
62) 4-Bromofluorobenzene	12.408	95	287131	50.014	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75961	20.438	ug/l	99
3) Chloromethane	2.068	50	157607	22.208	ug/l	99
4) Vinyl Chloride	2.202	62	176902	19.952	ug/l	96
5) Bromomethane	2.592	94	160953	23.091	ug/l	99
6) Chloroethane	2.733	64	115049	19.304	ug/l	91
7) Trichlorofluoromethane	3.056	101	186321	18.978	ug/l	100
8) Diethyl Ether	3.458	74	51940	21.420	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	93427	20.824	ug/l	97
10) Methyl Iodide	4.007	142	89370	18.295	ug/l	99
11) Tert butyl alcohol	4.866	59	34478	106.890	ug/l	96
12) 1,1-Dichloroethene	3.793	96	90089	20.478	ug/l	96
13) Acrolein	3.653	56	44603	101.976	ug/l	99
14) Allyl chloride	4.385	41	136536	20.177	ug/l	97
15) Acrylonitrile	5.061	53	109518	108.251	ug/l	97
16) Acetone	3.873	43	140162	152.870	ug/l	99
17) Carbon Disulfide	4.110	76	290236	20.422	ug/l	98
18) Methyl Acetate	4.391	43	55098	18.146	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	251821	21.022	ug/l	99
20) Methylene Chloride	4.610	84	133084	22.984	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	101684	20.224	ug/l	89
22) Diisopropyl ether	6.025	45	311227	20.710	ug/l	98
23) Vinyl Acetate	5.964	43	893618	107.671	ug/l	98
24) 1,1-Dichloroethane	5.915	63	186884	20.589	ug/l	98
25) 2-Butanone	6.896	43	171331	128.392	ug/l	98
26) 2,2-Dichloropropane	6.884	77	159165	20.918	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	118753	20.326	ug/l	100
28) Bromochloromethane	7.250	49	78900	20.675	ug/l	93
29) Tetrahydrofuran	7.268	42	87942	104.367	ug/l	97
30) Chloroform	7.421	83	189613	20.282	ug/l	97
31) Cyclohexane	7.707	56	169401	20.331	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	163686	20.260	ug/l	99
36) 1,1-Dichloropropene	7.835	75	138096	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	63941	21.721	ug/l	96
38) Carbon Tetrachloride	7.817	117	142237	19.761	ug/l	97
39) Methylcyclohexane	9.109	83	177800	20.141	ug/l	94
40) Benzene	8.079	78	421633	20.103	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	32720m	18.055	ug/l	
42) 1,2-Dichloroethane	8.164	62	115601	20.114	ug/l	100
43) Isopropyl Acetate	8.201	43	126731	20.714	ug/l	98
44) Trichloroethene	8.866	130	109279	20.752	ug/l	99
45) 1,2-Dichloropropane	9.140	63	98526	20.071	ug/l	99
46) Dibromomethane	9.231	93	55463	19.904	ug/l	95
47) Bromodichloromethane	9.426	83	145403	20.235	ug/l	96
48) Methyl methacrylate	9.219	41	57700	19.618	ug/l	94
49) 1,4-Dioxane	9.237	88	12972	394.021	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	327464	105.326	ug/l	95
52) Toluene	10.170	92	264441	19.985	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	129063	19.963	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	152185	20.301	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	72736	20.158	ug/l	96
56) Ethyl methacrylate	10.438	69	97480	20.080	ug/l	96
57) 1,3-Dichloropropane	10.719	76	129095	20.506	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	243132	104.978	ug/l	99
59) 2-Hexanone	10.762	43	248724	117.668	ug/l	97
60) Dibromochloromethane	10.914	129	93288	20.016	ug/l	99
61) 1,2-Dibromoethane	11.018	107	67523	19.998	ug/l	97
64) Tetrachloroethene	10.646	164	125228	20.782	ug/l	97
65) Chlorobenzene	11.444	112	279293	19.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91277	19.228	ug/l	97
67) Ethyl Benzene	11.518	91	488351	19.831	ug/l	100
68) m/p-Xylenes	11.627	106	379404	39.856	ug/l	99
69) o-Xylene	11.956	106	177426	19.781	ug/l	99
70) Styrene	11.969	104	296661	19.745	ug/l	99
71) Bromoform	12.133	173	51209	19.373	ug/l #	98
73) Isopropylbenzene	12.255	105	457536	20.453	ug/l	99
74) N-amyl acetate	12.072	43	107487	21.407	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74768	20.739	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	61465m	19.905	ug/l	
77) Bromobenzene	12.530	156	102739	20.262	ug/l	98
78) n-propylbenzene	12.597	91	563739	20.873	ug/l	99
79) 2-Chlorotoluene	12.682	91	312924	20.507	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	372151	20.608	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	25482	20.848	ug/l	98
82) 4-Chlorotoluene	12.779	91	325338	20.298	ug/l	100
83) tert-Butylbenzene	12.999	119	329113	20.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	371892	20.570	ug/l	99
85) sec-Butylbenzene	13.176	105	500578	20.891	ug/l	100
86) p-Isopropyltoluene	13.292	119	408150	20.468	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	206675	20.296	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	202641	20.033	ug/l	98
89) n-Butylbenzene	13.615	91	386853	20.625	ug/l	99
90) Hexachloroethane	13.877	117	80122	20.174	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	180806	20.148	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12353	20.205	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	100273	19.790	ug/l	97
94) Hexachlorobutadiene	15.023	225	56997	19.893	ug/l	98
95) Naphthalene	15.145	128	181412	19.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	85239	19.468	ug/l	99

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

