

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022814.D
 Acq On : 25 Jun 2025 10:40
 Operator : SY/MD
 Sample : VY0625SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0625SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2025
 Supervised By :Semsettin Yesilyurt 06/26/2025

Quant Time: Jun 26 01:22:56 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	424898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	717544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	607296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	290027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242030	51.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.080%			
35) Dibromofluoromethane	7.634	113	222927	51.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.103	98	890947	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.402	95	275492	49.491	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78745	21.673	ug/l	96
3) Chloromethane	2.068	50	138945	20.027	ug/l	98
4) Vinyl Chloride	2.202	62	182054	21.004	ug/l	99
5) Bromomethane	2.586	94	157128	23.059	ug/l	95
6) Chloroethane	2.733	64	121275	20.815	ug/l	96
7) Trichlorofluoromethane	3.050	101	200667	20.908	ug/l	98
8) Diethyl Ether	3.446	74	50073	21.124	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.805	101	91009	20.749	ug/l	96
10) Methyl Iodide	4.001	142	94146	19.715	ug/l	100
11) Tert butyl alcohol	4.860	59	33452	106.086	ug/l	96
12) 1,1-Dichloroethene	3.787	96	88942	20.680	ug/l	94
13) Acrolein	3.653	56	42644	99.732	ug/l	97
14) Allyl chloride	4.379	41	133965	20.251	ug/l	96
15) Acrylonitrile	5.055	53	101457	102.582	ug/l	99
16) Acetone	3.866	43	113350	126.460	ug/l	98
17) Carbon Disulfide	4.098	76	283426	20.400	ug/l	100
18) Methyl Acetate	4.385	43	55317	18.636	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	245173	20.936	ug/l	100
20) Methylene Chloride	4.610	84	119529	21.116	ug/l	94
21) trans-1,2-Dichloroethene	5.104	96	100045	20.354	ug/l	98
22) Diisopropyl ether	6.012	45	300315	20.442	ug/l	97
23) Vinyl Acetate	5.958	43	862587	106.314	ug/l	99
24) 1,1-Dichloroethane	5.915	63	182067	20.518	ug/l	98
25) 2-Butanone	6.890	43	148381	113.742	ug/l	98
26) 2,2-Dichloropropane	6.884	77	155434	20.896	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	116462	20.390	ug/l	99
28) Bromochloromethane	7.238	49	73668	19.747	ug/l	90
29) Tetrahydrofuran	7.256	42	85568	103.877	ug/l	98
30) Chloroform	7.421	83	184957	20.237	ug/l	97
31) Cyclohexane	7.695	56	166199	20.404	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	161699	20.473	ug/l	100
36) 1,1-Dichloropropene	7.835	75	137152	20.735	ug/l	99
37) Ethyl Acetate	6.982	43	60434	21.174	ug/l	98
38) Carbon Tetrachloride	7.817	117	143555	20.569	ug/l	97
39) Methylcyclohexane	9.103	83	176753	20.649	ug/l	98
40) Benzene	8.073	78	414868	20.400	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	31667m	18.022	ug/l	
42) 1,2-Dichloroethane	8.152	62	114004	20.458	ug/l	100
43) Isopropyl Acetate	8.195	43	121769	20.527	ug/l	96
44) Trichloroethene	8.859	130	104305	20.429	ug/l	97
45) 1,2-Dichloropropane	9.140	63	96701	20.317	ug/l	97
46) Dibromomethane	9.231	93	54575	20.199	ug/l	95
47) Bromodichloromethane	9.420	83	141655	20.332	ug/l	99
48) Methyl methacrylate	9.219	41	59325	20.803	ug/l	95
49) 1,4-Dioxane	9.225	88	13207	413.733	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	312180	103.557	ug/l	95
52) Toluene	10.170	92	257140	20.043	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	126193	20.131	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	149309	20.542	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	70896	20.264	ug/l	99
56) Ethyl methacrylate	10.438	69	95154	20.215	ug/l	96
57) 1,3-Dichloropropane	10.713	76	125950	20.634	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	230014	102.808	ug/l	97
59) 2-Hexanone	10.755	43	221825	108.232	ug/l	98
60) Dibromochloromethane	10.908	129	91897	20.335	ug/l	100
61) 1,2-Dibromoethane	11.012	107	66514	20.316	ug/l	99
64) Tetrachloroethene	10.646	164	107596	18.754	ug/l	98
65) Chlorobenzene	11.438	112	274373	20.561	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	91628	20.273	ug/l	98
67) Ethyl Benzene	11.518	91	482855	20.595	ug/l	97
68) m/p-Xylenes	11.621	106	371302	40.968	ug/l	99
69) o-Xylene	11.950	106	172619	20.213	ug/l	99
70) Styrene	11.963	104	291429	20.373	ug/l	99
71) Bromoform	12.127	173	50533	20.079	ug/l #	99
73) Isopropylbenzene	12.249	105	455955	21.257	ug/l	99
74) N-amyl acetate	12.066	43	105137	21.837	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.499	83	77969	22.554	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	62785m	21.204	ug/l	
77) Bromobenzene	12.530	156	103458	21.280	ug/l	98
78) n-propylbenzene	12.591	91	552810	21.346	ug/l	99
79) 2-Chlorotoluene	12.676	91	310185	21.200	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	366043	21.140	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	24135	20.593	ug/l	96
82) 4-Chlorotoluene	12.773	91	321374	20.911	ug/l	100
83) tert-Butylbenzene	12.993	119	324534	21.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	367087	21.175	ug/l	99
85) sec-Butylbenzene	13.170	105	487318	21.210	ug/l	98
86) p-Isopropyltoluene	13.286	119	399571	20.898	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	204529	20.947	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	198671	20.483	ug/l	99
89) n-Butylbenzene	13.615	91	381348	21.203	ug/l	100
90) Hexachloroethane	13.877	117	80642	21.176	ug/l	98
91) 1,2-Dichlorobenzene	13.651	146	176576	20.521	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11732	20.012	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	98311	20.236	ug/l	99
94) Hexachlorobutadiene	15.017	225	54711	19.914	ug/l	99
95) Naphthalene	15.139	128	180073	20.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	83548	19.901	ug/l	99

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

