

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023965.D
 Acq On : 15 Dec 2025 10:39
 Operator : SY/MD
 Sample : VY1215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1215SBS01

Quant Time: Dec 16 02:10:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2025
 Supervised By :Mahesh Dadoda 12/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	520415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.627	114	734348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	614369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	320830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	214027	46.515	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.040%		
35) Dibromofluoromethane	7.646	113	253691	52.849	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.700%		
50) Toluene-d8	10.115	98	942082	52.712	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.420%		
62) 4-Bromofluorobenzene	12.413	95	304173	50.963	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	73023	20.234	ug/l	99
3) Chloromethane	2.080	50	82548	17.805	ug/l	99
4) Vinyl Chloride	2.220	62	100783	17.592	ug/l	99
5) Bromomethane	2.610	94	93667	19.204	ug/l	97
6) Chloroethane	2.750	64	71217	17.644	ug/l	99
7) Trichlorofluoromethane	3.074	101	172374	19.986	ug/l	98
8) Diethyl Ether	3.470	74	42936	18.121	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.836	101	104896	20.869	ug/l	99
10) Methyl Iodide	4.025	142	104406	16.794	ug/l	99
11) Tert butyl alcohol	4.896	59	18893	70.909	ug/l #	87
12) 1,1-Dichloroethene	3.811	96	94029	19.910	ug/l	94
13) Acrolein	3.665	56	45603	107.015	ug/l	100
14) Allyl chloride	4.409	41	109402	18.104	ug/l	97
15) Acrylonitrile	5.085	53	76657	81.202	ug/l	99
16) Acetone	3.890	43	111710	70.573	ug/l	98
17) Carbon Disulfide	4.128	76	219162	17.475	ug/l	98
18) Methyl Acetate	4.409	43	29547	14.193	ug/l	95
19) Methyl tert-butyl Ether	5.140	73	203905	18.055	ug/l	98
20) Methylene Chloride	4.640	84	108351	20.017	ug/l	94
21) trans-1,2-Dichloroethene	5.134	96	101265	19.532	ug/l	90
22) Diisopropyl ether	6.036	45	254141	18.470	ug/l	94
23) Vinyl Acetate	5.982	43	652946	85.402	ug/l	98
24) 1,1-Dichloroethane	5.933	63	168750	19.676	ug/l	98
25) 2-Butanone	6.914	43	114355	80.421	ug/l	99
26) 2,2-Dichloropropane	6.902	77	163535	20.421	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	120787	20.295	ug/l	96
28) Bromochloromethane	7.256	49	64568	19.983	ug/l	89
29) Tetrahydrofuran	7.280	42	54259	74.820	ug/l	96
30) Chloroform	7.439	83	191125	20.401	ug/l	99
31) Cyclohexane	7.713	56	146461	18.561	ug/l	96
32) 1,1,1-Trichloroethane	7.634	97	177620	20.445	ug/l	98
36) 1,1-Dichloropropene	7.847	75	131625	20.141	ug/l	99
37) Ethyl Acetate	7.000	43	44600	16.759	ug/l	99
38) Carbon Tetrachloride	7.829	117	169092	21.346	ug/l	97
39) Methylcyclohexane	9.121	83	172872	19.799	ug/l	97
40) Benzene	8.091	78	396935	19.945	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.237	41	24792	16.934	ug/l	94
42) 1,2-Dichloroethane	8.170	62	97403	18.664	ug/l	99
43) Isopropyl Acetate	8.207	43	78974	15.757	ug/l #	80
44) Trichloroethene	8.877	130	117819	20.417	ug/l	99
45) 1,2-Dichloropropane	9.152	63	88595	19.731	ug/l	97
46) Dibromomethane	9.243	93	51140	19.337	ug/l	95
47) Bromodichloromethane	9.432	83	138792	19.949	ug/l	98
48) Methyl methacrylate	9.231	41	37277	15.976	ug/l	94
49) 1,4-Dioxane	9.243	88	9296	315.295	ug/l	100
51) 4-Methyl-2-Pentanone	10.005	43	208630	78.563	ug/l	98
52) Toluene	10.176	92	264974	20.121	ug/l	100
53) t-1,3-Dichloropropene	10.401	75	112947	18.786	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	139934	19.752	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	69416	19.070	ug/l	96
56) Ethyl methacrylate	10.444	69	73877	17.120	ug/l	95
57) 1,3-Dichloropropane	10.725	76	108671	18.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	146788	78.531	ug/l	96
59) 2-Hexanone	10.767	43	162880	80.815	ug/l	97
60) Dibromochloromethane	10.920	129	98766	19.598	ug/l	100
61) 1,2-Dibromoethane	11.023	107	63704	18.886	ug/l	99
64) Tetrachloroethene	10.658	164	141499	21.439	ug/l	93
65) Chlorobenzene	11.450	112	299740	21.055	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.523	131	105212	21.073	ug/l	99
67) Ethyl Benzene	11.523	91	486099	20.379	ug/l	99
68) m/p-Xylenes	11.633	106	391856	41.384	ug/l	100
69) o-Xylene	11.962	106	181012	20.436	ug/l	100
70) Styrene	11.974	104	293764	20.529	ug/l	99
71) Bromoform	12.139	173	59064	20.074	ug/l #	98
73) Isopropylbenzene	12.261	105	495694	21.141	ug/l	99
74) N-amyl acetate	12.078	43	62276	14.974	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	64055	17.942	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	48998m	18.055	ug/l	
77) Bromobenzene	12.541	156	122190	21.003	ug/l	93
78) n-propylbenzene	12.602	91	566390	20.762	ug/l	98
79) 2-Chlorotoluene	12.688	91	321751	20.763	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	393970	21.062	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	20671	17.338	ug/l	98
82) 4-Chlorotoluene	12.785	91	328268	20.578	ug/l	99
83) tert-Butylbenzene	13.005	119	371318	21.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.047	105	384759	20.764	ug/l	99
85) sec-Butylbenzene	13.181	105	532727	21.130	ug/l	99
86) p-Isopropyltoluene	13.297	119	447672	20.978	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	235284	20.826	ug/l	99
88) 1,4-Dichlorobenzene	13.370	146	229337	20.593	ug/l	99
89) n-Butylbenzene	13.620	91	374940	20.082	ug/l	99
90) Hexachloroethane	13.883	117	91368	20.982	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	198155	20.243	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9012	16.303	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	111403	19.364	ug/l	99
94) Hexachlorobutadiene	15.029	225	81137	21.516	ug/l	99
95) Naphthalene	15.151	128	146123	16.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	91196	18.628	ug/l	99

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

