

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023902.D
 Acq On : 09 Dec 2025 12:44
 Operator : SY/MD
 Sample : VY1209SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:25:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	563250	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	805086	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	671538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	329715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	309762	54.976	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.960%			
35) Dibromofluoromethane	7.646	113	344665	66.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 133.500%			
50) Toluene-d8	10.115	98	1290746	64.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 128.480%			
62) 4-Bromofluorobenzene	12.414	95	401727	58.616	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	72212	16.950	ug/l	100
3) Chloromethane	2.080	50	83762	13.783	ug/l	99
4) Vinyl Chloride	2.221	62	103268	14.897	ug/l	96
5) Bromomethane	2.611	94	94578	18.896	ug/l	97
6) Chloroethane	2.751	64	73041	15.541	ug/l	100
7) Trichlorofluoromethane	3.074	101	167434	17.274	ug/l	91
8) Diethyl Ether	3.464	74	44757	15.413	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.836	101	101811	17.531	ug/l	96
10) Methyl Iodide	4.019	142	111748	18.947	ug/l	97
11) Tert butyl alcohol	4.891	59	21612	43.011	ug/l	95
12) 1,1-Dichloroethene	3.806	96	89928	16.573	ug/l	92
13) Acrolein	3.672	56	27049	76.896	ug/l	96
14) Allyl chloride	4.403	41	117676	13.564	ug/l	93
15) Acrylonitrile	5.080	53	83974	66.444	ug/l	98
16) Acetone	3.891	43	131913	78.129	ug/l	97
17) Carbon Disulfide	4.123	76	224977	14.033	ug/l	100
18) Methyl Acetate	4.403	43	33447	11.679	ug/l	91
19) Methyl tert-butyl Ether	5.135	73	209463	15.368	ug/l	99
20) Methylene Chloride	4.635	84	110833	16.991	ug/l	91
21) trans-1,2-Dichloroethene	5.135	96	97737	16.326	ug/l	88
22) Diisopropyl ether	6.037	45	262387	13.736	ug/l #	91
23) Vinyl Acetate	5.982	43	702313	66.329	ug/l #	94
24) 1,1-Dichloroethane	5.933	63	170364	15.436	ug/l	97
25) 2-Butanone	6.915	43	128146	62.959	ug/l #	87
26) 2,2-Dichloropropane	6.903	77	164074	16.220	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	115633	16.634	ug/l	92
28) Bromochloromethane	7.268	49	49646	11.773	ug/l #	74
29) Tetrahydrofuran	7.281	42	60432	57.410	ug/l	89
30) Chloroform	7.433	83	184517	16.545	ug/l	100
31) Cyclohexane	7.713	56	151265	14.335	ug/l	88
32) 1,1,1-Trichloroethane	7.634	97	175244	17.407	ug/l	98
36) 1,1-Dichloropropene	7.848	75	127446	16.739	ug/l	96
37) Ethyl Acetate	7.000	43	47722	13.573	ug/l	96
38) Carbon Tetrachloride	7.829	117	162070	19.287	ug/l	98
39) Methylcyclohexane	9.122	83	169781	17.131	ug/l	93
40) Benzene	8.091	78	394760	17.153	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	26040	14.368	ug/l #	97
42) 1,2-Dichloroethane	8.171	62	99714	16.604	ug/l	97
43) Isopropyl Acetate	8.207	43	88939	13.520	ug/l #	88
44) Trichloroethene	8.878	130	114843	19.394	ug/l	95
45) 1,2-Dichloropropane	9.152	63	86629	15.898	ug/l	99
46) Dibromomethane	9.244	93	50677	17.178	ug/l	92
47) Bromodichloromethane	9.433	83	137251	17.634	ug/l	99
48) Methyl methacrylate	9.231	41	38315	12.468	ug/l #	82
49) 1,4-Dioxane	9.244	88	10106	308.085	ug/l #	90
51) 4-Methyl-2-Pentanone	10.006	43	231495	66.924	ug/l	96
52) Toluene	10.183	92	260462	18.073	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	115317	16.416	ug/l	94
54) cis-1,3-Dichloropropene	9.866	75	138879	16.789	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	68564	17.217	ug/l	99
56) Ethyl methacrylate	10.451	69	77241	16.334	ug/l	92
57) 1,3-Dichloropropane	10.725	76	111417	16.244	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	186117	84.004	ug/l	92
59) 2-Hexanone	10.768	43	181517	69.578	ug/l	95
60) Dibromochloromethane	10.920	129	96961	18.158	ug/l	100
61) 1,2-Dibromoethane	11.024	107	63694	17.550	ug/l	98
64) Tetrachloroethene	10.658	164	135863	20.674	ug/l	98
65) Chlorobenzene	11.451	112	289252	18.871	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	101827	19.471	ug/l	99
67) Ethyl Benzene	11.524	91	477106	18.005	ug/l	98
68) m/p-Xylenes	11.634	106	382585	37.774	ug/l	96
69) o-Xylene	11.963	106	178955	18.891	ug/l	95
70) Styrene	11.975	104	283342	18.144	ug/l	98
71) Bromoform	12.140	173	56459	19.107	ug/l #	99
73) Isopropylbenzene	12.261	105	475464	19.573	ug/l	98
74) N-amyl acetate	12.079	43	68096	12.934	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	65842	16.799	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	51808m	15.850	ug/l	
77) Bromobenzene	12.542	156	116126	20.583	ug/l	87
78) n-propylbenzene	12.603	91	552115	18.835	ug/l	97
79) 2-Chlorotoluene	12.688	91	308206	18.513	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	378663	19.184	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	21632	15.851	ug/l	98
82) 4-Chlorotoluene	12.786	91	316741	18.352	ug/l	96
83) tert-Butylbenzene	13.005	119	350173	19.678	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	366634	18.749	ug/l	97
85) sec-Butylbenzene	13.182	105	499314	18.863	ug/l	98
86) p-Isopropyltoluene	13.298	119	422769	19.289	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	219734	19.332	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	213379	19.143	ug/l	100
89) n-Butylbenzene	13.621	91	356346	17.566	ug/l	98
90) Hexachloroethane	13.889	117	86751	18.868	ug/l	92
91) 1,2-Dichlorobenzene	13.664	146	187189	18.934	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9418	15.283	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	99051	16.899	ug/l	97
94) Hexachlorobutadiene	15.029	225	69303	18.845	ug/l	99
95) Naphthalene	15.151	128	137514	14.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	79013	15.797	ug/l	97

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

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