

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023947.D
 Acq On : 11 Dec 2025 12:03
 Operator : SY/MD
 Sample : VY1211SBSD02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1211SBSD02

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 03:20:49 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	469029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	665680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	534496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	267567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	173262	41.781	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.560%		
35) Dibromofluoromethane	7.640	113	194962	44.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.600%		
50) Toluene-d8	10.109	98	756118	46.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.340%		
62) 4-Bromofluorobenzene	12.407	95	230303	42.566	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	69743	21.442	ug/l	99
3) Chloromethane	2.074	50	78115	18.695	ug/l	98
4) Vinyl Chloride	2.208	62	104872	20.311	ug/l	98
5) Bromomethane	2.598	94	74782	17.012	ug/l	97
6) Chloroethane	2.744	64	70292	19.322	ug/l	96
7) Trichlorofluoromethane	3.062	101	159782	20.555	ug/l	100
8) Diethyl Ether	3.458	74	36060	16.886	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	95583	21.099	ug/l	97
10) Methyl Iodide	4.013	142	88347	15.762	ug/l	99
11) Tert butyl alcohol	4.848	59	21042	87.627	ug/l	99
12) 1,1-Dichloroethene	3.799	96	83264	19.562	ug/l	98
13) Acrolein	3.659	56	37260	97.016	ug/l	100
14) Allyl chloride	4.391	41	107527	19.744	ug/l	99
15) Acrylonitrile	5.061	53	68149	80.098	ug/l	99
16) Acetone	3.866	43	110667	81.285	ug/l	97
17) Carbon Disulfide	4.110	76	207397	18.348	ug/l	98
18) Methyl Acetate	4.391	43	28952	15.431	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	172820	16.979	ug/l	97
20) Methylene Chloride	4.628	84	85982	17.624	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	90163	19.296	ug/l	99
22) Diisopropyl ether	6.030	45	238259	19.212	ug/l	96
23) Vinyl Acetate	5.970	43	579282	84.068	ug/l	99
24) 1,1-Dichloroethane	5.921	63	153890	19.909	ug/l	98
25) 2-Butanone	6.896	43	107781	84.102	ug/l	97
26) 2,2-Dichloropropane	6.890	77	146452	20.292	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	104035	19.395	ug/l	98
28) Bromochloromethane	7.250	49	59139	20.308	ug/l	97
29) Tetrahydrofuran	7.268	42	52435	80.226	ug/l	96
30) Chloroform	7.420	83	167851	19.879	ug/l	98
31) Cyclohexane	7.707	56	140426	19.746	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	159703	20.397	ug/l	99
36) 1,1-Dichloropropene	7.841	75	121978	20.590	ug/l	99
37) Ethyl Acetate	6.988	43	40225	16.674	ug/l	97
38) Carbon Tetrachloride	7.823	117	148728	20.712	ug/l	99
39) Methylcyclohexane	9.115	83	152182	19.228	ug/l	94
40) Benzene	8.085	78	356197	19.744	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	21890m	16.494	ug/l	
42) 1,2-Dichloroethane	8.158	62	83699	17.692	ug/l	99
43) Isopropyl Acetate	8.201	43	74873	16.480	ug/l #	87
44) Trichloroethene	8.871	130	102957	19.682	ug/l	95
45) 1,2-Dichloropropane	9.146	63	77598	19.064	ug/l	94
46) Dibromomethane	9.231	93	41121	17.153	ug/l	97
47) Bromodichloromethane	9.426	83	117722	18.666	ug/l	96
48) Methyl methacrylate	9.225	41	33574	15.874	ug/l	100
49) 1,4-Dioxane	9.225	88	8075	302.134	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	192700	80.050	ug/l	97
52) Toluene	10.176	92	230117	19.277	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	93847	17.220	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	117470	18.291	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	55336	16.770	ug/l	99
56) Ethyl methacrylate	10.444	69	59476	15.205	ug/l	99
57) 1,3-Dichloropropane	10.719	76	90502	16.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	147504	87.054	ug/l	99
59) 2-Hexanone	10.761	43	143083	78.316	ug/l	99
60) Dibromochloromethane	10.914	129	77365	16.935	ug/l	97
61) 1,2-Dibromoethane	11.017	107	50499	16.516	ug/l	100
64) Tetrachloroethene	10.652	164	120058	20.909	ug/l	99
65) Chlorobenzene	11.444	112	243110	19.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	85078	19.587	ug/l	99
67) Ethyl Benzene	11.523	91	414990	19.998	ug/l	100
68) m/p-Xylenes	11.633	106	338293	41.066	ug/l	99
69) o-Xylene	11.956	106	148331	19.249	ug/l	99
70) Styrene	11.975	104	236286	18.980	ug/l	98
71) Bromoform	12.133	173	44266	17.293	ug/l #	98
73) Isopropylbenzene	12.255	105	412240	21.082	ug/l	99
74) N-amyl acetate	12.072	43	56786	16.372	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	51542	17.311	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	37092m	16.388	ug/l	
77) Bromobenzene	12.535	156	93759	19.324	ug/l	97
78) n-propylbenzene	12.596	91	478474	21.031	ug/l	100
79) 2-Chlorotoluene	12.682	91	267354	20.688	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	326269	20.915	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	16929	17.025	ug/l	99
82) 4-Chlorotoluene	12.779	91	265896	19.986	ug/l	98
83) tert-Butylbenzene	12.999	119	305804	21.216	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	313965	20.316	ug/l	100
85) sec-Butylbenzene	13.176	105	443510	21.094	ug/l	99
86) p-Isopropyltoluene	13.291	119	359765	20.214	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	183588	19.485	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	172515	18.574	ug/l	98
89) n-Butylbenzene	13.621	91	308870	19.836	ug/l	98
90) Hexachloroethane	13.883	117	74486	20.510	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	150128	18.390	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7354	15.952	ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	73978	15.418	ug/l	97
94) Hexachlorobutadiene	15.023	225	59049	18.775	ug/l	99
95) Naphthalene	15.145	128	92951	12.529	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	59987	14.692	ug/l	100

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

