

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023942.D
 Acq On : 11 Dec 2025 09:44
 Operator : SY/MD
 Sample : VY1211SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1211SBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 03:18:27 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	500795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	721889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	623185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	329812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	205361	46.380	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.760%		
35) Dibromofluoromethane	7.640	113	216884	45.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.920%		
50) Toluene-d8	10.109	98	795238	45.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.520%		
62) 4-Bromofluorobenzene	12.408	95	264561	45.091	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	72153	20.776	ug/l	99
3) Chloromethane	2.074	50	91658	20.545	ug/l	100
4) Vinyl Chloride	2.214	62	109196	19.807	ug/l	97
5) Bromomethane	2.599	94	99217	21.139	ug/l	94
6) Chloroethane	2.739	64	80127	20.629	ug/l	95
7) Trichlorofluoromethane	3.062	101	173506	20.905	ug/l	99
8) Diethyl Ether	3.458	74	50096	21.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	103152	21.326	ug/l	99
10) Methyl Iodide	4.013	142	102877	17.198	ug/l	100
11) Tert butyl alcohol	4.879	59	30942	120.680	ug/l #	88
12) 1,1-Dichloroethene	3.800	96	93116	20.489	ug/l	99
13) Acrolein	3.659	56	52981	129.199	ug/l	100
14) Allyl chloride	4.391	41	120893	20.790	ug/l	97
15) Acrylonitrile	5.074	53	102333	112.647	ug/l	99
16) Acetone	3.879	43	160927	124.242	ug/l	97
17) Carbon Disulfide	4.117	76	225214	18.661	ug/l	98
18) Methyl Acetate	4.397	43	40723	20.328	ug/l	95
19) Methyl tert-butyl Ether	5.129	73	244024	22.454	ug/l	98
20) Methylene Chloride	4.623	84	110407	21.195	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	101107	20.266	ug/l	99
22) Diisopropyl ether	6.025	45	296210	22.370	ug/l	95
23) Vinyl Acetate	5.970	43	827476	112.470	ug/l	99
24) 1,1-Dichloroethane	5.927	63	177262	21.478	ug/l	98
25) 2-Butanone	6.903	43	170716	124.761	ug/l	99
26) 2,2-Dichloropropane	6.896	77	165984	21.539	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	122711	21.426	ug/l	99
28) Bromochloromethane	7.256	49	71635	23.039	ug/l	99
29) Tetrahydrofuran	7.268	42	80684	115.617	ug/l	100
30) Chloroform	7.427	83	194246	21.546	ug/l	100
31) Cyclohexane	7.707	56	151925	20.008	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	178152	21.310	ug/l	99
36) 1,1-Dichloropropene	7.841	75	133088	20.716	ug/l	99
37) Ethyl Acetate	6.994	43	60143	22.990	ug/l	98
38) Carbon Tetrachloride	7.823	117	163121	20.948	ug/l	97
39) Methylcyclohexane	9.116	83	173062	20.163	ug/l	99
40) Benzene	8.085	78	410995	21.008	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	31058	21.581	ug/l	98
42) 1,2-Dichloroethane	8.165	62	113551	22.133	ug/l	99
43) Isopropyl Acetate	8.201	43	109707	22.266	ug/l #	88
44) Trichloroethene	8.872	130	119252	21.022	ug/l	98
45) 1,2-Dichloropropane	9.146	63	94235	21.349	ug/l	92
46) Dibromomethane	9.238	93	56932	21.899	ug/l	96
47) Bromodichloromethane	9.427	83	149839	21.909	ug/l	99
48) Methyl methacrylate	9.225	41	48874	21.308	ug/l	95
49) 1,4-Dioxane	9.238	88	13454	464.198	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	299147	114.593	ug/l	99
52) Toluene	10.176	92	273765	21.147	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	128219	21.694	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	151602	21.768	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	78201	21.855	ug/l	98
56) Ethyl methacrylate	10.445	69	91125	21.482	ug/l	98
57) 1,3-Dichloropropane	10.719	76	130293	22.514	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	201216	109.507	ug/l	100
59) 2-Hexanone	10.762	43	245326	123.823	ug/l	99
60) Dibromochloromethane	10.914	129	109723	22.148	ug/l	100
61) 1,2-Dibromoethane	11.018	107	73969	22.308	ug/l	99
64) Tetrachloroethene	10.652	164	143366	21.414	ug/l	97
65) Chlorobenzene	11.444	112	307012	21.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	109997	21.720	ug/l	98
67) Ethyl Benzene	11.524	91	499879	20.661	ug/l	98
68) m/p-Xylenes	11.633	106	407138	42.390	ug/l	99
69) o-Xylene	11.957	106	190511	21.204	ug/l	100
70) Styrene	11.969	104	311884	21.487	ug/l	99
71) Bromoform	12.133	173	65370	21.903	ug/l #	99
73) Isopropylbenzene	12.255	105	502925	20.866	ug/l	99
74) N-amyl acetate	12.072	43	92386	21.609	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	79434	21.643	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	66799m	23.943	ug/l	
77) Bromobenzene	12.536	156	127192	21.267	ug/l	97
78) n-propylbenzene	12.597	91	584849	20.855	ug/l	99
79) 2-Chlorotoluene	12.682	91	337532	21.189	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	405032	21.063	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	26465	21.593	ug/l	98
82) 4-Chlorotoluene	12.780	91	349062	21.286	ug/l	100
83) tert-Butylbenzene	12.999	119	377969	21.274	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	399284	20.961	ug/l	100
85) sec-Butylbenzene	13.176	105	542089	20.916	ug/l	99
86) p-Isopropyltoluene	13.292	119	453815	20.687	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	243685	20.982	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	240654	21.021	ug/l	99
89) n-Butylbenzene	13.621	91	395721	20.618	ug/l	99
90) Hexachloroethane	13.883	117	94372	21.081	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	216364	21.502	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12208	21.484	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	119760	20.250	ug/l	98
94) Hexachlorobutadiene	15.023	225	80297	20.713	ug/l	99
95) Naphthalene	15.145	128	186846	20.432	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	103912	20.647	ug/l	99

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

