

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023966.D
 Acq On : 15 Dec 2025 11:02
 Operator : SY/MD
 Sample : VY1215SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1215SBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 16 02:11:48 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	7.719	168	536619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	754522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	635947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	320072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	233491	49.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.420%
35) Dibromofluoromethane	7.646	113	266624	54.058	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.120%
50) Toluene-d8	10.115	98	984007	53.586	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.180%
62) 4-Bromofluorobenzene	12.414	95	316436	51.600	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	72495	19.481	ug/l	99
3) Chloromethane	2.080	50	88045	18.417	ug/l	95
4) Vinyl Chloride	2.214	62	103482	17.518	ug/l	99
5) Bromomethane	2.604	94	97395	19.365	ug/l	94
6) Chloroethane	2.751	64	72812	17.494	ug/l	99
7) Trichlorofluoromethane	3.074	101	175173	19.697	ug/l	99
8) Diethyl Ether	3.470	74	44664	18.281	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.830	101	104218	20.108	ug/l	98
10) Methyl Iodide	4.019	142	112754	17.593	ug/l	97
11) Tert butyl alcohol	4.884	59	20592	74.952	ug/l #	87
12) 1,1-Dichloroethene	3.805	96	92444	18.983	ug/l	97
13) Acrolein	3.671	56	43474	98.938	ug/l	97
14) Allyl chloride	4.403	41	113734	18.253	ug/l	98
15) Acrylonitrile	5.080	53	82277	84.523	ug/l	98
16) Acetone	3.891	43	119990	75.074	ug/l	96
17) Carbon Disulfide	4.129	76	217825	16.844	ug/l	96
18) Methyl Acetate	4.403	43	31292	14.577	ug/l	94
19) Methyl tert-butyl Ether	5.134	73	215171	18.477	ug/l	99
20) Methylene Chloride	4.635	84	108824	19.497	ug/l	95
21) trans-1,2-Dichloroethene	5.134	96	100426	18.785	ug/l	96
22) Diisopropyl ether	6.037	45	263331	18.560	ug/l	98
23) Vinyl Acetate	5.976	43	695453	88.215	ug/l	98
24) 1,1-Dichloroethane	5.939	63	172476	19.503	ug/l	96
25) 2-Butanone	6.915	43	127088	86.677	ug/l	94
26) 2,2-Dichloropropane	6.902	77	165800	20.079	ug/l	100
27) cis-1,2-Dichloroethene	6.909	96	123611	20.142	ug/l	97
28) Bromochloromethane	7.262	49	64399	19.329	ug/l	92
29) Tetrahydrofuran	7.287	42	58766	78.588	ug/l	97
30) Chloroform	7.433	83	191038	19.776	ug/l	99
31) Cyclohexane	7.713	56	147686	18.151	ug/l	91
32) 1,1,1-Trichloroethane	7.628	97	180234	20.119	ug/l	99
36) 1,1-Dichloropropene	7.847	75	132450	19.725	ug/l	98
37) Ethyl Acetate	7.000	43	43193	15.797	ug/l	95
38) Carbon Tetrachloride	7.835	117	167079	20.528	ug/l	99
39) Methylcyclohexane	9.122	83	175686	19.584	ug/l	97
40) Benzene	8.091	78	409669	20.035	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	22628	15.043	ug/l	88
42) 1,2-Dichloroethane	8.170	62	102291	19.076	ug/l	99
43) Isopropyl Acetate	8.207	43	87038	16.901	ug/l	98
44) Trichloroethene	8.878	130	121517	20.495	ug/l	99
45) 1,2-Dichloropropane	9.152	63	88908	19.271	ug/l	98
46) Dibromomethane	9.243	93	53010	19.508	ug/l	96
47) Bromodichloromethane	9.432	83	141175	19.749	ug/l	97
48) Methyl methacrylate	9.231	41	38855	16.207	ug/l	91
49) 1,4-Dioxane	9.250	88	9287	306.568	ug/l	90
51) 4-Methyl-2-Pentanone	10.006	43	223657	81.970	ug/l	97
52) Toluene	10.176	92	270687	20.005	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	117067	18.951	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	144213	19.811	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	72674	19.432	ug/l	97
56) Ethyl methacrylate	10.451	69	77652	17.514	ug/l	95
57) 1,3-Dichloropropane	10.725	76	114792	18.977	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	167589	87.262	ug/l	96
59) 2-Hexanone	10.768	43	176197	85.085	ug/l	97
60) Dibromochloromethane	10.920	129	101747	19.650	ug/l	98
61) 1,2-Dibromoethane	11.024	107	65767	18.977	ug/l	97
64) Tetrachloroethene	10.652	164	142373	20.839	ug/l	97
65) Chlorobenzene	11.450	112	304363	20.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	108320	20.959	ug/l	100
67) Ethyl Benzene	11.524	91	499940	20.248	ug/l	99
68) m/p-Xylenes	11.633	106	401682	40.982	ug/l	99
69) o-Xylene	11.962	106	187074	20.403	ug/l	99
70) Styrene	11.975	104	297652	20.095	ug/l	98
71) Bromoform	12.139	173	60766	19.952	ug/l #	100
73) Isopropylbenzene	12.261	105	500655	21.403	ug/l	99
74) N-amyl acetate	12.078	43	67300	16.220	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.511	83	67097	18.838	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	51626m	19.068	ug/l	
77) Bromobenzene	12.536	156	123827	21.335	ug/l	94
78) n-propylbenzene	12.603	91	580767	21.340	ug/l	98
79) 2-Chlorotoluene	12.688	91	327573	21.189	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	399428	21.404	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	21811	18.337	ug/l	99
82) 4-Chlorotoluene	12.786	91	335761	21.098	ug/l	98
83) tert-Butylbenzene	13.005	119	377311	21.883	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	393751	21.300	ug/l	99
85) sec-Butylbenzene	13.182	105	544925	21.665	ug/l	100
86) p-Isopropyltoluene	13.298	119	453428	21.298	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	238456	21.156	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	233298	20.998	ug/l	99
89) n-Butylbenzene	13.621	91	386618	20.757	ug/l	99
90) Hexachloroethane	13.883	117	91740	21.117	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	202462	20.732	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10094	18.304	ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	112620	19.622	ug/l	99
94) Hexachlorobutadiene	15.029	225	82181	21.844	ug/l	100
95) Naphthalene	15.151	128	154612	17.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	95354	19.523	ug/l	97

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

