

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023877.D
 Acq On : 04 Dec 2025 07:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

12/05/2025

Supervised By : Mahesh
 Dadoda

12/08/2025

Quant Time: Dec 05 01:40:05 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	7.719	168	520627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	774985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	669312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	343252	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	215547	41.386	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.780%
35) Dibromofluoromethane	7.640	113	215111	43.277	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.560%
50) Toluene-d8	10.109	98	838311	43.341	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.680%
62) 4-Bromofluorobenzene	12.408	95	276107	41.852	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.873	85	211017	53.586	ug/l	97
3) Chloromethane	2.080	50	304638	54.232	ug/l	99
4) Vinyl Chloride	2.214	62	351833	54.909	ug/l	97
5) Bromomethane	2.611	94	238894	51.636	ug/l	100
6) Chloroethane	2.745	64	232730	53.573	ug/l	97
7) Trichlorofluoromethane	3.068	101	491254	54.832	ug/l	96
8) Diethyl Ether	3.464	74	146950	54.749	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	294128	54.794	ug/l	99
10) Methyl Iodide	4.019	142	335298	56.023	ug/l	99
11) Tert butyl alcohol	4.872	59	84853	225.355	ug/l	98
12) 1,1-Dichloroethene	3.799	96	283782	56.581	ug/l	99
13) Acrolein	3.665	56	79658	244.993	ug/l	98
14) Allyl chloride	4.397	41	445292	55.530	ug/l	99
15) Acrylonitrile	5.074	53	314478	269.199	ug/l	99
16) Acetone	3.879	43	448600	287.447	ug/l	98
17) Carbon Disulfide	4.116	76	905639	61.114	ug/l	100
18) Methyl Acetate	4.397	43	138042	52.148	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	700987	55.639	ug/l	100
20) Methylene Chloride	4.628	84	295205	52.612	ug/l	99
21) trans-1,2-Dichloroethene	5.128	96	313295	56.616	ug/l	97
22) Diisopropyl ether	6.031	45	963636	54.578	ug/l	98
23) Vinyl Acetate	5.970	43	2754973	281.491	ug/l	99
24) 1,1-Dichloroethane	5.927	63	552981	54.206	ug/l	100
25) 2-Butanone	6.902	43	501714	266.677	ug/l	97
26) 2,2-Dichloropropane	6.896	77	495478	52.993	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	351394	54.687	ug/l	99
28) Bromochloromethane	7.256	49	199175	51.098	ug/l	97
29) Tetrahydrofuran	7.274	42	262549	269.841	ug/l	98
30) Chloroform	7.427	83	554015	53.743	ug/l	99
31) Cyclohexane	7.707	56	537182	55.074	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	506137	54.391	ug/l	100
36) 1,1-Dichloropropene	7.841	75	420560	57.381	ug/l	99
37) Ethyl Acetate	6.994	43	188689	55.752	ug/l	99
38) Carbon Tetrachloride	7.829	117	462623	57.191	ug/l	98
39) Methylcyclohexane	9.115	83	577156	60.497	ug/l	99
40) Benzene	8.085	78	1254718	56.637	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	85314	48.902	ug/l #	99
42) 1,2-Dichloroethane	8.164	62	322045	55.708	ug/l	100
43) Isopropyl Acetate	8.201	43	352879	55.727	ug/l	100
44) Trichloroethene	8.872	130	325334	57.074	ug/l	98
45) 1,2-Dichloropropane	9.146	63	292826	55.825	ug/l	97
46) Dibromomethane	9.237	93	158592	55.846	ug/l	99
47) Bromodichloromethane	9.426	83	420609	56.140	ug/l	98
48) Methyl methacrylate	9.225	41	174426	58.962	ug/l	99
49) 1,4-Dioxane	9.237	88	34894	1105.075	ug/l	95
51) 4-Methyl-2-Pentanone	10.006	43	942551	283.071	ug/l	100
52) Toluene	10.176	92	804377	57.981	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	388307	57.425	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	458230	57.546	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	210981	55.037	ug/l	98
56) Ethyl methacrylate	10.445	69	285486	50.928	ug/l	98
57) 1,3-Dichloropropane	10.719	76	370859	56.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	619177	254.174	ug/l	100
59) 2-Hexanone	10.768	43	727755	289.793	ug/l	98
60) Dibromochloromethane	10.914	129	286675	55.771	ug/l	99
61) 1,2-Dibromoethane	11.018	107	198127	56.712	ug/l	99
64) Tetrachloroethene	10.652	164	375333	57.304	ug/l	98
65) Chlorobenzene	11.444	112	858119	56.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	290860	55.803	ug/l	99
67) Ethyl Benzene	11.524	91	1527916	57.853	ug/l	99
68) m/p-Xylenes	11.633	106	1181405	117.034	ug/l	100
69) o-Xylene	11.956	106	549633	58.213	ug/l	99
70) Styrene	11.975	104	904780	58.132	ug/l	99
71) Bromoform	12.139	173	170003	57.724	ug/l	98
73) Isopropylbenzene	12.261	105	1480390	58.537	ug/l	100
74) N-amyl acetate	12.072	43	312654	57.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	224207	54.949	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	166119m	48.817	ug/l	
77) Bromobenzene	12.536	156	329883	56.165	ug/l	99
78) n-propylbenzene	12.597	91	1781166	58.367	ug/l	99
79) 2-Chlorotoluene	12.682	91	988035	57.008	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1206272	58.703	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	79108	55.679	ug/l	96
82) 4-Chlorotoluene	12.779	91	1009279	56.170	ug/l	99
83) tert-Butylbenzene	12.999	119	1097255	59.230	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1180828	58.005	ug/l	98
85) sec-Butylbenzene	13.176	105	1607031	58.316	ug/l	100
86) p-Isopropyltoluene	13.298	119	1349042	59.125	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	662153	55.958	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	647341	55.784	ug/l	99
89) n-Butylbenzene	13.621	91	1244947	58.951	ug/l	100
90) Hexachloroethane	13.883	117	267978	55.984	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	575610	55.927	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	35016	54.579	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	334113	54.754	ug/l	100
94) Hexachlorobutadiene	15.029	225	216238	56.482	ug/l	98
95) Naphthalene	15.151	128	559736	55.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	280732	53.912	ug/l	98

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

