

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023922.D
 Acq On : 09 Dec 2025 20:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 02:35:53 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	420154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	607941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	530849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	271014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	143800	34.213	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.420%
35) Dibromofluoromethane	7.646	113	156170	40.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.100%
50) Toluene-d8	10.115	98	581194	38.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.600%
62) 4-Bromofluorobenzene	12.408	95	191487	37.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	167643	52.752	ug/l	93
3) Chloromethane	2.080	50	223603	49.325	ug/l	97
4) Vinyl Chloride	2.214	62	283492	54.824	ug/l	100
5) Bromomethane	2.611	94	224589	60.153	ug/l	97
6) Chloroethane	2.745	64	200032	57.057	ug/l	98
7) Trichlorofluoromethane	3.068	101	410474	56.772	ug/l	95
8) Diethyl Ether	3.464	74	117699	54.337	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.830	101	235413	54.343	ug/l	93
10) Methyl Iodide	4.019	142	338152	69.401	ug/l	97
11) Tert butyl alcohol	4.878	59	58011	188.902	ug/l	99
12) 1,1-Dichloroethene	3.805	96	232497	57.441	ug/l	89
13) Acrolein	3.665	56	36599	139.480	ug/l	98
14) Allyl chloride	4.397	41	296824	45.867	ug/l #	91
15) Acrylonitrile	5.074	53	218563	231.835	ug/l	99
16) Acetone	3.879	43	236059	187.429	ug/l	96
17) Carbon Disulfide	4.122	76	669526	55.985	ug/l	99
18) Methyl Acetate	4.397	43	111983	52.419	ug/l	92
19) Methyl tert-butyl Ether	5.128	73	568855	55.949	ug/l	97
20) Methylene Chloride	4.628	84	260146	57.630	ug/l	89
21) trans-1,2-Dichloroethene	5.128	96	263107	58.917	ug/l	89
22) Diisopropyl ether	6.025	45	685514	48.111	ug/l #	90
23) Vinyl Acetate	5.970	43	1795432	227.319	ug/l #	93
24) 1,1-Dichloroethane	5.927	63	427708	51.952	ug/l	97
25) 2-Butanone	6.902	43	289403	190.612	ug/l	91
26) 2,2-Dichloropropane	6.896	77	381302	50.533	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	308623	59.516	ug/l	90
28) Bromochloromethane	7.256	49	147465	46.879	ug/l #	75
29) Tetrahydrofuran	7.274	42	170486	217.123	ug/l	89
30) Chloroform	7.427	83	469943	56.489	ug/l	99
31) Cyclohexane	7.713	56	364685	46.330	ug/l	91
32) 1,1,1-Trichloroethane	7.628	97	427875	56.976	ug/l	97
36) 1,1-Dichloropropene	7.847	75	327668	56.991	ug/l	96
37) Ethyl Acetate	6.994	43	122032	45.964	ug/l	96
38) Carbon Tetrachloride	7.829	117	394881	62.230	ug/l	98
39) Methylcyclohexane	9.115	83	439412	58.714	ug/l	93
40) Benzene	8.091	78	1025699	59.021	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	64868	47.399	ug/l #	92
42) 1,2-Dichloroethane	8.164	62	261385	57.639	ug/l	97
43) Isopropyl Acetate	8.207	43	238871	48.088	ug/l	94
44) Trichloroethene	8.872	130	297793	66.597	ug/l	96
45) 1,2-Dichloropropane	9.146	63	226301	54.997	ug/l	100
46) Dibromomethane	9.237	93	134985	60.594	ug/l	91
47) Bromodichloromethane	9.426	83	355149	60.427	ug/l	99
48) Methyl methacrylate	9.225	41	113170	48.767	ug/l	85
49) 1,4-Dioxane	9.237	88	28271	1141.337	ug/l #	91
51) 4-Methyl-2-Pentanone	9.999	43	625741	239.561	ug/l	95
52) Toluene	10.176	92	685127	62.955	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	307279	57.928	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	368368	58.972	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	184259	61.274	ug/l	96
56) Ethyl methacrylate	10.445	69	221262	50.367	ug/l	93
57) 1,3-Dichloropropane	10.719	76	301032	58.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	486548	254.584	ug/l	91
59) 2-Hexanone	10.768	43	433950	220.280	ug/l	94
60) Dibromochloromethane	10.914	129	261682	64.897	ug/l	99
61) 1,2-Dibromoethane	11.018	107	172151	62.816	ug/l	99
64) Tetrachloroethene	10.652	164	364742	70.212	ug/l	97
65) Chlorobenzene	11.444	112	754537	62.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	268429	64.932	ug/l	99
67) Ethyl Benzene	11.524	91	1278296	61.026	ug/l	98
68) m/p-Xylenes	11.633	106	1022303	127.688	ug/l	95
69) o-Xylene	11.956	106	478885	63.950	ug/l	97
70) Styrene	11.975	104	775602	62.831	ug/l	99
71) Bromoform	12.139	173	152474	65.276	ug/l	100
73) Isopropylbenzene	12.255	105	1243595	62.281	ug/l	98
74) N-amyl acetate	12.072	43	197469	45.632	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	170934	53.059	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	147848m	55.028	ug/l	
77) Bromobenzene	12.536	156	310005	66.850	ug/l	88
78) n-propylbenzene	12.597	91	1422322	59.031	ug/l	96
79) 2-Chlorotoluene	12.682	91	817780	59.762	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	998776	61.560	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	57279	51.061	ug/l	96
82) 4-Chlorotoluene	12.779	91	823734	58.063	ug/l	96
83) tert-Butylbenzene	12.999	119	927637	63.421	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	982805	61.146	ug/l	97
85) sec-Butylbenzene	13.176	105	1301578	59.821	ug/l	98
86) p-Isopropyltoluene	13.292	119	1097214	60.905	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	577772	61.841	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	553843	60.448	ug/l	99
89) n-Butylbenzene	13.621	91	938888	56.308	ug/l	99
90) Hexachloroethane	13.883	117	220126	58.245	ug/l	91
91) 1,2-Dichlorobenzene	13.663	146	494287	60.827	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	24897	49.151	ug/l	90
93) 1,2,4-Trichlorobenzene	14.925	180	270051	56.052	ug/l	99
94) Hexachlorobutadiene	15.023	225	175609	58.096	ug/l	99
95) Naphthalene	15.145	128	419037	52.776	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	222170	54.038	ug/l	99

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

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