

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023865.D
 Acq On : 03 Dec 2025 08:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 04 01:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:33:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	491531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	746676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	666520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	344346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	239571	47.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.260%		
35) Dibromofluoromethane	7.640	113	228951	46.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.280%		
50) Toluene-d8	10.109	98	887731	47.138	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.280%		
62) 4-Bromofluorobenzene	12.408	95	303131	47.972	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	164784	46.030	ug/l	100
3) Chloromethane	2.080	50	228512	44.759	ug/l	100
4) Vinyl Chloride	2.214	62	269963	45.860	ug/l	99
5) Bromomethane	2.605	94	209532	49.254	ug/l	99
6) Chloroethane	2.745	64	189442	47.877	ug/l	99
7) Trichlorofluoromethane	3.068	101	401716	49.468	ug/l	99
8) Diethyl Ether	3.464	74	133081	54.158	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	245358	50.530	ug/l	98
10) Methyl Iodide	4.013	142	265575	53.955	ug/l	99
11) Tert butyl alcohol	4.879	59	96323	280.770	ug/l	97
12) 1,1-Dichloroethene	3.800	96	228089	49.503	ug/l	100
13) Acrolein	3.665	56	131700	413.042	ug/l	96
14) Allyl chloride	4.397	41	379293	51.471	ug/l	98
15) Acrylonitrile	5.068	53	331206	308.700	ug/l	100
16) Acetone	3.879	43	469548	326.422	ug/l	99
17) Carbon Disulfide	4.117	76	621541	45.603	ug/l	99
18) Methyl Acetate	4.397	43	164417	67.244	ug/l	98
19) Methyl tert-butyl Ether	5.129	73	663484	57.188	ug/l	98
20) Methylene Chloride	4.629	84	259572	45.525	ug/l	98
21) trans-1,2-Dichloroethene	5.129	96	255317	50.497	ug/l	99
22) Diisopropyl ether	6.031	45	901585	55.585	ug/l	98
23) Vinyl Acetate	5.970	43	2627231	291.297	ug/l	99
24) 1,1-Dichloroethane	5.927	63	487711	52.057	ug/l	98
25) 2-Butanone	6.903	43	540903	311.633	ug/l	97
26) 2,2-Dichloropropane	6.897	77	430406	51.137	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	306931	52.063	ug/l	99
28) Bromochloromethane	7.256	49	185231	52.090	ug/l	98
29) Tetrahydrofuran	7.268	42	289487	322.376	ug/l	98
30) Chloroform	7.427	83	496266	52.706	ug/l	98
31) Cyclohexane	7.707	56	425281	47.596	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	439606	51.896	ug/l	99
36) 1,1-Dichloropropene	7.841	75	356272	52.002	ug/l	100
37) Ethyl Acetate	6.994	43	196119	62.229	ug/l	99
38) Carbon Tetrachloride	7.823	117	395953	52.715	ug/l	98
39) Methylcyclohexane	9.116	83	456276	51.124	ug/l	100
40) Benzene	8.085	78	1095401	52.933	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	109756	69.021	ug/l #	89
42) 1,2-Dichloroethane	8.165	62	301800	55.414	ug/l	99
43) Isopropyl Acetate	8.201	43	361349	60.351	ug/l	98
44) Trichloroethene	8.872	130	286004	54.000	ug/l	100
45) 1,2-Dichloropropane	9.146	63	268514	54.555	ug/l	98
46) Dibromomethane	9.238	93	152628	57.400	ug/l	98
47) Bromodichloromethane	9.427	83	387430	55.012	ug/l	97
48) Methyl methacrylate	9.225	41	176516	62.770	ug/l	99
49) 1,4-Dioxane	9.238	88	37973	1303.138	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	1034320	330.134	ug/l	99
52) Toluene	10.176	92	699201	53.886	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	363832	57.319	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	417025	55.876	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	207363	57.973	ug/l	98
56) Ethyl methacrylate	10.445	69	287294	62.365	ug/l	98
57) 1,3-Dichloropropane	10.719	76	359382	58.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	645275	313.268	ug/l	99
59) 2-Hexanone	10.762	43	809388	341.662	ug/l	99
60) Dibromochloromethane	10.914	129	274814	57.338	ug/l	98
61) 1,2-Dibromoethane	11.018	107	191090	58.105	ug/l	98
64) Tetrachloroethene	10.652	164	342672	54.306	ug/l	99
65) Chlorobenzene	11.445	112	769918	52.069	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	268919	53.216	ug/l	100
67) Ethyl Benzene	11.524	91	1353550	53.079	ug/l	100
68) m/p-Xylenes	11.634	106	1038663	106.566	ug/l	99
69) o-Xylene	11.957	106	491647	53.661	ug/l	100
70) Styrene	11.975	104	822458	54.770	ug/l	99
71) Bromoform	12.133	173	165731	57.601	ug/l	99
73) Isopropylbenzene	12.255	105	1316087	53.491	ug/l	100
74) N-amyl acetate	12.072	43	329645	61.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	226130	56.480	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	167186m	32.759	ug/l	
77) Bromobenzene	12.536	156	303920	52.964	ug/l	98
78) n-propylbenzene	12.597	91	1588414	53.797	ug/l	100
79) 2-Chlorotoluene	12.682	91	888157	52.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1074646	54.057	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	84251	60.012	ug/l	100
82) 4-Chlorotoluene	12.780	91	915638	52.643	ug/l	99
83) tert-Butylbenzene	12.999	119	978516	54.436	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1067604	53.997	ug/l	98
85) sec-Butylbenzene	13.176	105	1440289	53.962	ug/l	100
86) p-Isopropyltoluene	13.292	119	1196885	54.138	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	597812	52.167	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	594389	52.521	ug/l	100
89) n-Butylbenzene	13.621	91	1103401	53.799	ug/l	100
90) Hexachloroethane	13.883	117	241468	51.941	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	542766	54.417	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	37993	60.161	ug/l	95
93) 1,2,4-Trichlorobenzene	14.926	180	310259	52.532	ug/l	99
94) Hexachlorobutadiene	15.029	225	189154	50.807	ug/l	98
95) Naphthalene	15.145	128	575247	58.829	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	270135	53.558	ug/l	99

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

