

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023869.D
 Acq On : 03 Dec 2025 14:27
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 04 03:38:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:37:03 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	523570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	802325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	676124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	341141	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	111731	21.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	42.660%#
35) Dibromofluoromethane	7.640	113	112122	21.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	43.580%#
50) Toluene-d8	10.109	98	434670	21.707	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	43.420%#
62) 4-Bromofluorobenzene	12.408	95	139144	20.372	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.740%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	68929	17.406	ug/l	98
3) Chloromethane	2.074	50	94605	16.747	ug/l	99
4) Vinyl Chloride	2.208	62	109903	17.056	ug/l	98
5) Bromomethane	2.598	94	79696	17.129	ug/l	96
6) Chloroethane	2.739	64	74000	16.938	ug/l	97
7) Trichlorofluoromethane	3.062	101	154189	17.113	ug/l	99
8) Diethyl Ether	3.458	74	46021	17.050	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	93298	17.283	ug/l	99
10) Methyl Iodide	4.013	142	86205	16.139	ug/l	99
11) Tert butyl alcohol	4.866	59	36380	88.541	ug/l	98
12) 1,1-Dichloroethene	3.799	96	87031	17.255	ug/l	97
13) Acrolein	3.659	56	36655	112.101	ug/l	95
14) Allyl chloride	4.391	41	135995	16.864	ug/l	100
15) Acrylonitrile	5.061	53	99662	84.833	ug/l	99
16) Acetone	3.873	43	148290	94.485	ug/l	99
17) Carbon Disulfide	4.116	76	229579	15.405	ug/l	99
18) Methyl Acetate	4.391	43	42615	16.008	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	215306	16.993	ug/l	99
20) Methylene Chloride	4.622	84	102741	16.939	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	92900	16.694	ug/l	96
22) Diisopropyl ether	6.025	45	308343	17.366	ug/l	95
23) Vinyl Acetate	5.970	43	836679	85.008	ug/l	97
24) 1,1-Dichloroethane	5.921	63	179891	17.535	ug/l	98
25) 2-Butanone	6.896	43	167012	88.273	ug/l	97
26) 2,2-Dichloropropane	6.890	77	163185	17.355	ug/l	96
27) cis-1,2-Dichloroethene	6.896	96	111129	17.198	ug/l	99
28) Bromochloromethane	7.250	49	74239	18.939	ug/l	98
29) Tetrahydrofuran	7.268	42	80851	82.630	ug/l	97
30) Chloroform	7.427	83	183955	17.745	ug/l	99
31) Cyclohexane	7.707	56	159573	16.268	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	162535	17.368	ug/l	99
36) 1,1-Dichloropropene	7.841	75	129540	17.072	ug/l	100
37) Ethyl Acetate	6.988	43	61092	17.436	ug/l	97
38) Carbon Tetrachloride	7.823	117	146066	17.442	ug/l	96
39) Methylcyclohexane	9.109	83	158002	15.997	ug/l	98
40) Benzene	8.085	78	396185	17.274	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	34027	18.836	ug/l #	78
42) 1,2-Dichloroethane	8.158	62	105539	17.634	ug/l	99
43) Isopropyl Acetate	8.201	43	111228	16.967	ug/l #	86
44) Trichloroethene	8.872	130	101162	17.142	ug/l	99
45) 1,2-Dichloropropane	9.146	63	94784	17.454	ug/l	98
46) Dibromomethane	9.238	93	50804	17.280	ug/l	98
47) Bromodichloromethane	9.426	83	135816	17.510	ug/l	99
48) Methyl methacrylate	9.225	41	51106	16.687	ug/l	99
49) 1,4-Dioxane	9.238	88	10567	323.248	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	295304	85.665	ug/l	98
52) Toluene	10.170	92	245582	17.099	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	120787	17.254	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	141367	17.148	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	68830	17.343	ug/l	96
56) Ethyl methacrylate	10.438	69	80835	16.945	ug/l	98
57) 1,3-Dichloropropane	10.719	76	117588	17.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	218831	96.463	ug/l	99
59) 2-Hexanone	10.762	43	231987	89.230	ug/l	98
60) Dibromochloromethane	10.914	129	92070	17.301	ug/l	100
61) 1,2-Dibromoethane	11.018	107	62065	17.160	ug/l	99
64) Tetrachloroethene	10.646	164	118551	17.917	ug/l	99
65) Chlorobenzene	11.444	112	274266	17.772	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	93428	17.744	ug/l	99
67) Ethyl Benzene	11.518	91	464136	17.397	ug/l	100
68) m/p-Xylenes	11.633	106	360229	35.326	ug/l	100
69) o-Xylene	11.957	106	167211	17.531	ug/l	99
70) Styrene	11.969	104	274264	17.444	ug/l	99
71) Bromoform	12.133	173	50874	17.100	ug/l #	97
73) Isopropylbenzene	12.255	105	443570	17.648	ug/l	99
74) N-amyl acetate	12.072	43	89434	16.418	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70174	17.305	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	68098m	20.136	ug/l	
77) Bromobenzene	12.530	156	101109	17.321	ug/l	99
78) n-propylbenzene	12.597	91	541647	17.859	ug/l	99
79) 2-Chlorotoluene	12.682	91	306826	17.813	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	366921	17.966	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	23281	16.487	ug/l	93
82) 4-Chlorotoluene	12.780	91	318020	17.809	ug/l	100
83) tert-Butylbenzene	12.999	119	325007	17.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	362427	17.914	ug/l	99
85) sec-Butylbenzene	13.176	105	485690	17.734	ug/l	98
86) p-Isopropyltoluene	13.292	119	403980	17.815	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	207114	17.611	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	203232	17.622	ug/l	98
89) n-Butylbenzene	13.615	91	369923	17.625	ug/l	98
90) Hexachloroethane	13.877	117	85598	17.993	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	182086	17.801	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11032	17.302	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	102184	16.849	ug/l	100
94) Hexachlorobutadiene	15.023	225	66764	17.547	ug/l	100
95) Naphthalene	15.145	128	160700	16.079	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	88059	17.016	ug/l	99

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

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