

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023874.D
 Acq On : 03 Dec 2025 16:23
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 03:41:34 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	474703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	762810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	645494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	317927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	21111	4.446	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.900%#		
35) Dibromofluoromethane	7.640	113	20238	4.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.280%#		
50) Toluene-d8	10.109	98	81132	4.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.520%#		
62) 4-Bromofluorobenzene	12.408	95	30562	4.706	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.420%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	18018	5.018	ug/l	96
3) Chloromethane	2.074	50	27697	5.408	ug/l	95
4) Vinyl Chloride	2.208	62	28262	4.837	ug/l	93
5) Bromomethane	2.604	94	24863	5.894	ug/l	99
6) Chloroethane	2.745	64	20986	5.298	ug/l	97
7) Trichlorofluoromethane	3.068	101	41768	5.113	ug/l	100
8) Diethyl Ether	3.464	74	12280	5.018	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.830	101	25595	5.229	ug/l	97
10) Methyl Iodide	4.013	142	19168	5.800	ug/l	99
11) Tert butyl alcohol	4.860	59	13227	27.637	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	21876	4.784	ug/l	94
13) Acrolein	3.665	56	6719	22.664	ug/l	94
14) Allyl chloride	4.397	41	35157	4.808	ug/l	99
15) Acrylonitrile	5.067	53	25012	23.482	ug/l	97
16) Acetone	3.873	43	36588	25.712	ug/l	99
17) Carbon Disulfide	4.116	76	60654	4.489	ug/l	99
18) Methyl Acetate	4.391	43	11700	4.847	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	53262	4.637	ug/l	97
20) Methylene Chloride	4.622	84	43003	6.775	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	25004	4.956	ug/l	100
22) Diisopropyl ether	6.025	45	74629	4.636	ug/l	93
23) Vinyl Acetate	5.970	43	189559	21.242	ug/l	99
24) 1,1-Dichloroethane	5.915	63	46977	5.050	ug/l	98
25) 2-Butanone	6.909	43	42941	25.033	ug/l	94
26) 2,2-Dichloropropane	6.890	77	47331	5.552	ug/l	91
27) cis-1,2-Dichloroethene	6.896	96	29228	4.989	ug/l	95
28) Bromochloromethane	7.244	49	18085	5.089	ug/l	94
29) Tetrahydrofuran	7.274	42	19035	21.456	ug/l	99
30) Chloroform	7.421	83	48600	5.171	ug/l	99
31) Cyclohexane	7.707	56	45882	5.159	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	43564	5.134	ug/l	99
36) 1,1-Dichloropropene	7.841	75	33191	4.601	ug/l	98
37) Ethyl Acetate	6.988	43	14219	4.268	ug/l #	93
38) Carbon Tetrachloride	7.817	117	38745	4.866	ug/l	97
39) Methylcyclohexane	9.109	83	40100	4.270	ug/l	98
40) Benzene	8.079	78	105496	4.838	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	8144m	4.742	ug/l	
42) 1,2-Dichloroethane	8.158	62	27239	4.787	ug/l	99
43) Isopropyl Acetate	8.201	43	26721	4.287	ug/l #	91
44) Trichloroethene	8.866	130	27553	4.911	ug/l	95
45) 1,2-Dichloropropane	9.140	63	24705	4.785	ug/l	98
46) Dibromomethane	9.231	93	13417	4.800	ug/l	98
47) Bromodichloromethane	9.426	83	35626	4.831	ug/l	98
48) Methyl methacrylate	9.225	41	10707	3.677	ug/l	86
49) 1,4-Dioxane	9.237	88	2912	93.693	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	65984	20.133	ug/l	95
52) Toluene	10.170	92	61428	4.499	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	29288	4.400	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	35136	4.483	ug/l #	89
55) 1,1,2-Trichloroethane	10.573	97	18101	4.797	ug/l	95
56) Ethyl methacrylate	10.438	69	18369	7.209	ug/l	97
57) 1,3-Dichloropropane	10.719	76	30696	4.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	36256	28.963	ug/l	97
59) 2-Hexanone	10.762	43	48466	19.607	ug/l	100
60) Dibromochloromethane	10.908	129	24216	4.786	ug/l	98
61) 1,2-Dibromoethane	11.018	107	15401	4.479	ug/l	97
64) Tetrachloroethene	10.646	164	31020	4.911	ug/l	93
65) Chlorobenzene	11.444	112	72082	4.893	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	24192	4.813	ug/l	96
67) Ethyl Benzene	11.518	91	116453	4.572	ug/l	97
68) m/p-Xylenes	11.627	106	86304	8.865	ug/l	99
69) o-Xylene	11.956	106	39543	4.343	ug/l	95
70) Styrene	11.969	104	65160	4.341	ug/l	98
71) Bromoform	12.133	173	13102	4.613	ug/l #	97
73) Isopropylbenzene	12.255	105	104866	4.477	ug/l	98
74) N-amyl acetate	12.072	43	19729	3.886	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	17437	4.614	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	16810m	5.333	ug/l	
77) Bromobenzene	12.530	156	26926	4.950	ug/l	99
78) n-propylbenzene	12.597	91	130058	4.601	ug/l	100
79) 2-Chlorotoluene	12.682	91	77538	4.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	87840	4.615	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	5688	4.322	ug/l	92
82) 4-Chlorotoluene	12.779	91	81236	4.881	ug/l	99
83) tert-Butylbenzene	12.999	119	78181	4.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	84538	4.484	ug/l	98
85) sec-Butylbenzene	13.176	105	117932	4.620	ug/l	100
86) p-Isopropyltoluene	13.292	119	94033	4.449	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	56628	5.167	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	56715	5.277	ug/l	95
89) n-Butylbenzene	13.621	91	88601	4.530	ug/l	98
90) Hexachloroethane	13.877	117	21947	4.950	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	48782	5.117	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2727	4.589	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	28570	5.055	ug/l	100
94) Hexachlorobutadiene	15.017	225	18175	5.126	ug/l	98
95) Naphthalene	15.145	128	41125	4.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	24455	5.070	ug/l	99

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

