

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120325\
 Data File : VY023868.D
 Acq On : 03 Dec 2025 14:05
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 03:37:35 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	500618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	773215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	653185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	328899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	49163	9.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.640%#		
35) Dibromofluoromethane	7.640	113	49386	9.958	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.920%#		
50) Toluene-d8	10.109	98	187219	9.701	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.400%#		
62) 4-Bromofluorobenzene	12.408	95	63323	9.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.240%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	41421	10.939	ug/l	96
3) Chloromethane	2.074	50	54331	10.059	ug/l	99
4) Vinyl Chloride	2.208	62	62446	10.135	ug/l	98
5) Bromomethane	2.604	94	46242	10.395	ug/l	99
6) Chloroethane	2.745	64	43322	10.371	ug/l	95
7) Trichlorofluoromethane	3.068	101	91554	10.627	ug/l	97
8) Diethyl Ether	3.458	74	26273	10.180	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	56654	10.976	ug/l	98
10) Methyl Iodide	4.013	142	45929	10.073	ug/l	98
11) Tert butyl alcohol	4.854	59	23526	55.630	ug/l	99
12) 1,1-Dichloroethene	3.793	96	49656	10.296	ug/l	94
13) Acrolein	3.659	56	22550	72.126	ug/l	97
14) Allyl chloride	4.391	41	76559	9.929	ug/l	98
15) Acrylonitrile	5.067	53	55664	49.554	ug/l	98
16) Acetone	3.879	43	84687	56.433	ug/l	99
17) Carbon Disulfide	4.116	76	133084	9.340	ug/l	99
18) Methyl Acetate	4.397	43	25458	10.002	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	118838	9.810	ug/l	99
20) Methylene Chloride	4.622	84	64757	10.505	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	53666	10.086	ug/l	92
22) Diisopropyl ether	6.025	45	171977	10.130	ug/l	92
23) Vinyl Acetate	5.970	43	459234	48.798	ug/l	100
24) 1,1-Dichloroethane	5.921	63	101250	10.322	ug/l	96
25) 2-Butanone	6.902	43	99304	54.893	ug/l	97
26) 2,2-Dichloropropane	6.890	77	96198	10.700	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	61832	10.007	ug/l	96
28) Bromochloromethane	7.256	49	36352	9.699	ug/l	100
29) Tetrahydrofuran	7.274	42	46481	49.681	ug/l	98
30) Chloroform	7.427	83	103996	10.492	ug/l	97
31) Cyclohexane	7.707	56	95770	10.211	ug/l #	91
32) 1,1,1-Trichloroethane	7.622	97	94229	10.531	ug/l	99
36) 1,1-Dichloropropene	7.841	75	75619	10.341	ug/l	98
37) Ethyl Acetate	6.994	43	34856	10.322	ug/l	98
38) Carbon Tetrachloride	7.823	117	84516	10.472	ug/l	97
39) Methylcyclohexane	9.115	83	92521	9.720	ug/l	96
40) Benzene	8.085	78	225638	10.209	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	18040	10.362	ug/l #	88
42) 1,2-Dichloroethane	8.164	62	60037	10.409	ug/l	100
43) Isopropyl Acetate	8.201	43	62147	9.837	ug/l #	89
44) Trichloroethene	8.872	130	57989	10.196	ug/l	100
45) 1,2-Dichloropropane	9.146	63	54251	10.366	ug/l	99
46) Dibromomethane	9.237	93	29055	10.255	ug/l	99
47) Bromodichloromethane	9.426	83	78697	10.528	ug/l	95
48) Methyl methacrylate	9.225	41	27613	9.355	ug/l	99
49) 1,4-Dioxane	9.231	88	6206	196.991	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	160975	48.455	ug/l	99
52) Toluene	10.176	92	141234	10.204	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	65036	9.640	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	78015	9.820	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	39090	10.221	ug/l	95
56) Ethyl methacrylate	10.444	69	43530	11.300	ug/l	98
57) 1,3-Dichloropropane	10.719	76	66363	10.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	73539	43.223	ug/l	100
59) 2-Hexanone	10.762	43	126850	50.628	ug/l	97
60) Dibromochloromethane	10.914	129	52135	10.166	ug/l	99
61) 1,2-Dibromoethane	11.018	107	35286	10.123	ug/l	100
64) Tetrachloroethene	10.652	164	69006	10.796	ug/l	91
65) Chlorobenzene	11.444	112	153517	10.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	53726	10.562	ug/l	99
67) Ethyl Benzene	11.524	91	254914	9.890	ug/l	100
68) m/p-Xylenes	11.633	106	194108	19.704	ug/l	99
69) o-Xylene	11.956	106	88776	9.635	ug/l	96
70) Styrene	11.975	104	145688	9.592	ug/l	99
71) Bromoform	12.133	173	28873	10.046	ug/l #	98
73) Isopropylbenzene	12.255	105	243607	10.053	ug/l	99
74) N-amyl acetate	12.072	43	47261	8.999	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40930	10.469	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	33859m	10.384	ug/l	
77) Bromobenzene	12.529	156	57581	10.231	ug/l	100
78) n-propylbenzene	12.597	91	291497	9.969	ug/l	100
79) 2-Chlorotoluene	12.682	91	166508	10.027	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	195539	9.931	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13509	9.923	ug/l	95
82) 4-Chlorotoluene	12.779	91	176116	10.229	ug/l	99
83) tert-Butylbenzene	12.999	119	176020	9.916	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	195542	10.025	ug/l	98
85) sec-Butylbenzene	13.176	105	267991	10.149	ug/l	99
86) p-Isopropyltoluene	13.292	119	218621	10.000	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	117095	10.327	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	114716	10.317	ug/l	96
89) n-Butylbenzene	13.621	91	195542	9.663	ug/l	99
90) Hexachloroethane	13.877	117	48202	10.509	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	100521	10.193	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6268	10.196	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	55634	9.515	ug/l	99
94) Hexachlorobutadiene	15.023	225	38656	10.538	ug/l	97
95) Naphthalene	15.145	128	79869	8.289	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	46259	9.271	ug/l	98

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

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

