

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023541.D
 Acq On : 21 Oct 2025 17:44
 Operator : SY/MD
 Sample : Q3395-03MS
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S07-000102-20251017MS

Quant Time: Oct 24 01:38:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	203151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	347340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	192773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	72315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103854	61.134	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.260%			
35) Dibromofluoromethane	7.634	113	104930	49.165	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.340%			
50) Toluene-d8	10.109	98	300049	37.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 75.500%			
62) 4-Bromofluorobenzene	12.402	95	87462	33.331	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 66.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	98217	67.168	ug/l	99
3) Chloromethane	2.074	50	133215	66.876	ug/l	97
4) Vinyl Chloride	2.208	62	179085	69.024	ug/l	95
5) Bromomethane	2.598	94	96883	44.497	ug/l	99
6) Chloroethane	2.739	64	135167	76.427	ug/l	97
7) Trichlorofluoromethane	3.062	101	218634	60.690	ug/l	98
8) Diethyl Ether	3.458	74	77190	82.000	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	68648	36.722	ug/l	99
10) Methyl Iodide	4.007	142	39968	19.205	ug/l	98
11) Tert butyl alcohol	4.860	59	49805	394.091	ug/l	100
12) 1,1-Dichloroethene	3.793	96	123646	68.231	ug/l	94
13) Acrolein	3.659	56	2943	16.480	ug/l #	15
14) Allyl chloride	4.385	41	95314	43.158	ug/l	98
15) Acrylonitrile	5.061	53	146013	405.315	ug/l	99
16) Acetone	3.866	43	366203	905.489	ug/l	95
17) Carbon Disulfide	4.110	76	316799	61.080	ug/l	100
18) Methyl Acetate	4.391	43	261767	246.742	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	364938	83.790	ug/l	99
20) Methylene Chloride	4.616	84	167668	76.669	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	120386	60.340	ug/l	99
22) Diisopropyl ether	6.025	45	345972	70.821	ug/l	98
23) Vinyl Acetate	6.025	43	247385	93.557	ug/l #	69
24) 1,1-Dichloroethane	5.921	63	241402	74.600	ug/l	100
25) 2-Butanone	6.896	43	278760	564.589	ug/l	100
26) 2,2-Dichloropropane	6.884	77	181736	61.205	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	164185	71.242	ug/l	94
28) Bromochloromethane	7.244	49	82211	68.054	ug/l	96
29) Tetrahydrofuran	7.268	42	112938	403.372	ug/l	94
30) Chloroform	7.427	83	268708	75.579	ug/l	99
31) Cyclohexane	7.707	56	56452	19.976	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	183953	56.934	ug/l	99
36) 1,1-Dichloropropene	7.835	75	111845	39.584	ug/l	99
37) Ethyl Acetate	6.988	43	41970	37.494	ug/l	99
38) Carbon Tetrachloride	7.817	117	67487	19.698	ug/l	99
39) Methylcyclohexane	9.109	83	206899	56.240	ug/l	92
40) Benzene	8.085	78	549739	61.436	ug/l	99

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41) Methacrylonitrile	7.226	41	42904	70.867	ug/l	94
42) 1,2-Dichloroethane	8.158	62	151483	65.641	ug/l	93
43) Isopropyl Acetate	8.201	43	132723	59.462	ug/l	92
44) Trichloroethene	8.866	130	118144	45.110	ug/l	100
45) 1,2-Dichloropropane	9.140	63	121405	61.426	ug/l	100
46) Dibromomethane	9.231	93	82910	66.341	ug/l	99
47) Bromodichloromethane	9.426	83	183378	58.260	ug/l	99
48) Methyl methacrylate	9.219	41	84286	80.379	ug/l	98
49) 1,4-Dioxane	9.225	88	20981	1447.962	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	431690	374.327	ug/l	98
52) Toluene	10.170	92	221655	38.151	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	90713	33.145	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	83630	25.891	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	92386m	54.972	ug/l	
56) Ethyl methacrylate	10.438	69	175451	90.504	ug/l	90
57) 1,3-Dichloropropane	10.719	76	170005	63.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	331020	381.164	ug/l	98
59) 2-Hexanone	10.762	43	256412	311.120	ug/l	85
60) Dibromochloromethane	10.908	129	115381	48.968	ug/l	97
61) 1,2-Dibromoethane	11.012	107	96588	60.262	ug/l	90
64) Tetrachloroethene	10.646	164	58282	29.281	ug/l	98
65) Chlorobenzene	11.438	112	198990	47.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	78304	52.409	ug/l	97
67) Ethyl Benzene	11.518	91	215216	31.711	ug/l	99
68) m/p-Xylenes	11.627	106	179283	65.861	ug/l	99
69) o-Xylene	11.950	106	122821	48.103	ug/l	100
70) Styrene	11.969	104	142794	34.009	ug/l	95
71) Bromoform	12.127	173	60790	65.593	ug/l #	100
73) Isopropylbenzene	12.255	105	126231	26.488	ug/l	98
74) N-amyl acetate	12.048	43	262132	306.235	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.505	83	117015	150.124	ug/l	92
76) 1,2,3-Trichloropropane	12.554	75	88915	139.363	ug/l #	100
77) Bromobenzene	12.530	156	57829	45.644	ug/l	64
78) n-propylbenzene	12.591	91	104430	18.936	ug/l	99
79) 2-Chlorotoluene	12.676	91	98037	30.357	ug/l	93
80) 1,3,5-Trimethylbenzene	12.731	105	167851	43.586	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	4252	16.343	ug/l #	1
82) 4-Chlorotoluene	12.773	91	86141	25.900	ug/l	79
83) tert-Butylbenzene	12.993	119	50332	14.155	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	180123	46.867	ug/l	98
85) sec-Butylbenzene	13.170	105	76974	15.091	ug/l	82
86) p-Isopropyltoluene	13.292	119	82255	18.941	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	47991	19.452	ug/l #	29
88) 1,4-Dichlorobenzene	13.365	146	51792	21.255	ug/l #	33
89) n-Butylbenzene	13.615	91	38483	10.170	ug/l #	74
90) Hexachloroethane	13.889	117	18591	19.904	ug/l #	21
91) 1,2-Dichlorobenzene	13.657	146	50182	23.200	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11830	92.499	ug/l	84
93) 1,2,4-Trichlorobenzene	14.919	180	10889	8.075	ug/l #	1
94) Hexachlorobutadiene	15.017	225	2567	3.054	ug/l	97
95) Naphthalene	15.139	128	170670	79.481	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.340	180	8689	7.439	ug/l #	1

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

