

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032400.D
 Acq On : 20 Oct 2025 19:20
 Operator : SY/MD
 Sample : Q3395-03MS
 Misc : 5.52g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Oct 21 01:34:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	125839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	270130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	141965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	54387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	128979	70.271	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 140.540%			
35) Dibromofluoromethane	7.898	113	95553	54.621	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 109.240%			
50) Toluene-d8	10.325	98	265737	41.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 82.320%			
62) 4-Bromofluorobenzene	12.611	95	87937	36.034	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 72.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	45844	58.056	ug/l	95
3) Chloromethane	2.253	50	66428	54.518	ug/l	100
4) Vinyl Chloride	2.405	62	90894	62.485	ug/l	97
5) Bromomethane	2.826	94	36633	34.269	ug/l	94
6) Chloroethane	2.972	64	62395	64.968	ug/l	100
7) Trichlorofluoromethane	3.308	101	60781	55.806	ug/l	94
8) Diethyl Ether	3.722	74	70513	74.713	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.106	101	42872	32.818	ug/l	93
10) Methyl Iodide	4.308	142	36506	19.585	ug/l	99
11) Tert butyl alcohol	5.222	59	62567	450.349	ug/l	98
12) 1,1-Dichloroethene	4.082	96	86127	60.728	ug/l	93
13) Acrolein	3.942	56	2446	10.848	ug/l	99
14) Allyl chloride	4.704	41	119614	49.934	ug/l #	84
15) Acrylonitrile	5.405	53	209078	425.830	ug/l	98
16) Acetone	4.161	43	455205	895.684	ug/l	98
17) Carbon Disulfide	4.423	76	177025	45.747	ug/l	99
18) Methyl Acetate	4.710	43	530691	364.524	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	235222	84.208	ug/l	92
20) Methylene Chloride	4.960	84	121609	74.952	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	81060	51.625	ug/l	96
22) Diisopropyl ether	6.344	45	327878	65.815	ug/l #	87
24) 1,1-Dichloroethane	6.246	63	199309	65.851	ug/l	97
25) 2-Butanone	7.197	43	420004	606.793	ug/l	98
26) 2,2-Dichloropropane	7.191	77	88152	56.939	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	117042	62.048	ug/l	97
28) Bromochloromethane	7.533	49	91846	64.499	ug/l	93
29) Tetrahydrofuran	7.551	42	206513	474.432	ug/l	97
30) Chloroform	7.691	83	201913	65.780	ug/l	99
31) Cyclohexane	7.972	56	64422	24.932	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	112676	51.802	ug/l	99
36) 1,1-Dichloropropene	8.100	75	89641	36.308	ug/l	98
37) Ethyl Acetate	7.270	43	33154	20.175	ug/l #	81
38) Carbon Tetrachloride	8.087	117	39913	17.179	ug/l	89
39) Methylcyclohexane	9.343	83	218230	73.280	ug/l	94
40) Benzene	8.337	78	407225	52.622	ug/l	95
41) Methacrylonitrile	7.502	41	70692	79.822	ug/l	94

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42) 1,2-Dichloroethane	8.410	62	153020	60.431	ug/l	96
43) Isopropyl Acetate	8.435	43	102644	35.210	ug/l	94
44) Trichloroethene	9.105	130	77333	42.678	ug/l	88
45) 1,2-Dichloropropane	9.374	63	100743	52.155	ug/l	94
46) Dibromomethane	9.465	93	67232	56.603	ug/l	97
47) Bromodichloromethane	9.654	83	139358	51.296	ug/l	97
48) Methyl methacrylate	9.441	41	135368	95.505	ug/l #	85
49) 1,4-Dioxane	9.465	88	26309	1620.540	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	674877	399.689	ug/l	100
52) Toluene	10.392	92	163071	33.838	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	63668	24.156	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	56671	18.666	ug/l #	87
55) 1,1,2-Trichloroethane	10.788	97	64063m	40.355	ug/l	
56) Ethyl methacrylate	10.648	69	188573	84.867	ug/l #	84
57) 1,3-Dichloropropane	10.934	76	155221	55.361	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	419375	354.640	ug/l	97
59) 2-Hexanone	10.971	43	388390	326.137	ug/l	84
60) Dibromochloromethane	11.130	129	76028	42.178	ug/l	98
61) 1,2-Dibromoethane	11.239	107	77493	50.062	ug/l #	79
64) Tetrachloroethene	10.867	164	37362	43.982	ug/l	90
65) Chlorobenzene	11.660	112	149251	47.782	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	44768	46.016	ug/l	98
67) Ethyl Benzene	11.727	91	194676	37.390	ug/l	97
68) m/p-Xylenes	11.837	106	149045	74.236	ug/l	96
69) o-Xylene	12.166	106	96813	51.563	ug/l	88
70) Styrene	12.178	104	118500	36.149	ug/l	94
71) Bromoform	12.349	173	37573	67.377	ug/l #	94
73) Isopropylbenzene	12.465	105	123721	33.250	ug/l	100
74) N-amyl acetate	12.251	43	424595	357.696	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.715	83	128863	139.478	ug/l	82
76) 1,2,3-Trichloropropane	12.763	75	79488m	111.062	ug/l	
77) Bromobenzene	12.745	156	42521	47.406	ug/l #	45
78) n-propylbenzene	12.800	91	127627	27.459	ug/l	98
79) 2-Chlorotoluene	12.891	91	104408	36.739	ug/l	89
80) 1,3,5-Trimethylbenzene	12.940	105	176191	54.761	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	3237	11.458	ug/l #	1
82) 4-Chlorotoluene	12.983	91	93543	30.960	ug/l	90
83) tert-Butylbenzene	13.202	119	59879	22.682	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	189380	57.886	ug/l	100
85) sec-Butylbenzene	13.379	105	105926	26.257	ug/l #	75
86) p-Isopropyltoluene	13.495	119	100262	29.952	ug/l	95
87) 1,3-Dichlorobenzene	13.495	146	44352	24.419	ug/l #	1
88) 1,4-Dichlorobenzene	13.574	146	46923	25.838	ug/l #	5
89) n-Butylbenzene	13.818	91	53644	16.413	ug/l #	73
90) Hexachloroethane	14.092	117	19680	32.800	ug/l #	30
91) 1,2-Dichlorobenzene	13.867	146	46595	28.380	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.483	75	14281	88.285	ug/l	89
93) 1,2,4-Trichlorobenzene	15.123	180	19822	20.134	ug/l #	1
94) Hexachlorobutadiene	15.226	225	3383	7.516	ug/l	89
95) Naphthalene	15.360	128	212612	89.927	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	16545	17.830	ug/l #	1

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

