

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071525\
 Data File : VW031857.D
 Acq On : 15 Jul 2025 12:30
 Operator : SY/MD
 Sample : VW0715SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0715SBS01

Quant Time: Jul 16 01:22:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/16/2025
 Supervised By :Mahesh Dadoda 07/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	232275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	374628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167570	50.270	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.540%			
35) Dibromofluoromethane	7.898	113	132759	48.416	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.840%			
50) Toluene-d8	10.325	98	505462	49.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.617	95	196487	52.324	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	29735	18.797	ug/l	97
3) Chloromethane	2.259	50	34706	18.198	ug/l	98
4) Vinyl Chloride	2.405	62	48782	19.461	ug/l	98
5) Bromomethane	2.820	94	33772	17.249	ug/l	98
6) Chloroethane	2.978	64	30948	18.176	ug/l	96
7) Trichlorofluoromethane	3.302	101	45127	19.823	ug/l	97
8) Diethyl Ether	3.722	74	34367	19.867	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	51300	20.302	ug/l	98
10) Methyl Iodide	4.308	142	69005	17.715	ug/l	98
11) Tert butyl alcohol	5.228	59	20667	100.075	ug/l #	82
12) 1,1-Dichloroethene	4.076	96	54676	19.755	ug/l	92
13) Acrolein	3.936	56	26715	71.974	ug/l	94
14) Allyl chloride	4.704	41	77778	18.316	ug/l	97
15) Acrylonitrile	5.405	53	86329	101.485	ug/l	99
16) Acetone	4.161	43	71628	86.936	ug/l	97
17) Carbon Disulfide	4.417	76	128193	17.309	ug/l	99
18) Methyl Acetate	4.710	43	38118m	16.188	ug/l	
19) Methyl tert-butyl Ether	5.460	73	95072	20.238	ug/l	100
20) Methylene Chloride	4.954	84	75033	19.889	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	55667	18.929	ug/l	90
22) Diisopropyl ether	6.344	45	170232	20.555	ug/l	98
23) Vinyl Acetate	6.283	43	598321	105.768	ug/l	100
24) 1,1-Dichloroethane	6.240	63	104668	19.493	ug/l	98
25) 2-Butanone	7.191	43	110495	103.084	ug/l	94
26) 2,2-Dichloropropane	7.185	77	53403	17.047	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	66457	19.659	ug/l	98
28) Bromochloromethane	7.533	49	49079	20.713	ug/l	100
29) Tetrahydrofuran	7.551	42	76634	104.397	ug/l	98
30) Chloroform	7.691	83	112619	19.739	ug/l	99
31) Cyclohexane	7.965	56	94561	19.923	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	83347	18.956	ug/l	99
36) 1,1-Dichloropropene	8.093	75	78194	19.707	ug/l	100
37) Ethyl Acetate	7.270	43	51126	20.425	ug/l	99
38) Carbon Tetrachloride	8.081	117	75241	18.608	ug/l	99
39) Methylcyclohexane	9.343	83	100412	20.340	ug/l	98
40) Benzene	8.337	78	229817	19.576	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	27539	20.538	ug/l	96
42) 1,2-Dichloroethane	8.410	62	80646	20.331	ug/l	98
43) Isopropyl Acetate	8.435	43	90054	20.871	ug/l	100
44) Trichloroethene	9.099	130	55998	19.112	ug/l	90
45) 1,2-Dichloropropane	9.374	63	57218	20.167	ug/l	96
46) Dibromomethane	9.465	93	36391	19.867	ug/l	97
47) Bromodichloromethane	9.654	83	84423	19.654	ug/l	100
48) Methyl methacrylate	9.441	41	42243	19.911	ug/l	96
49) 1,4-Dioxane	9.471	88	8138	379.328	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	256865	103.551	ug/l	99
52) Toluene	10.392	92	148393	19.743	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	80656	20.013	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	88099	19.283	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	48340	20.146	ug/l	95
56) Ethyl methacrylate	10.648	69	70664	21.708	ug/l	97
57) 1,3-Dichloropropane	10.934	76	86125	20.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	180939	100.942	ug/l	97
59) 2-Hexanone	10.971	43	181318	107.868	ug/l	100
60) Dibromochloromethane	11.129	129	54975	19.160	ug/l	97
61) 1,2-Dibromoethane	11.239	107	47433	19.747	ug/l	96
64) Tetrachloroethene	10.861	164	43424	17.720	ug/l	90
65) Chlorobenzene	11.654	112	162820	19.698	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.727	131	51528	19.563	ug/l	99
67) Ethyl Benzene	11.727	91	287878	20.085	ug/l	96
68) m/p-Xylenes	11.837	106	218439	39.646	ug/l	99
69) o-Xylene	12.166	106	102052	20.004	ug/l	98
70) Styrene	12.178	104	178116	20.196	ug/l	99
71) Bromoform	12.349	173	28101	17.884	ug/l #	96
73) Isopropylbenzene	12.458	105	272558	20.758	ug/l	100
74) N-amyl acetate	12.270	43	80676	22.796	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	61785	21.196	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	47551m	21.317	ug/l	
77) Bromobenzene	12.745	156	60968	20.819	ug/l	93
78) n-propylbenzene	12.800	91	332521	21.149	ug/l	98
79) 2-Chlorotoluene	12.891	91	199717	21.094	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	227782	20.958	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	18327	19.136	ug/l	91
82) 4-Chlorotoluene	12.983	91	208078	20.933	ug/l	99
83) tert-Butylbenzene	13.202	119	200099	21.493	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	234077	21.257	ug/l	98
85) sec-Butylbenzene	13.379	105	294977	21.109	ug/l	100
86) p-Isopropyltoluene	13.495	119	246600	21.413	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	122179	20.804	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	121937	20.285	ug/l	97
89) n-Butylbenzene	13.818	91	236362	21.124	ug/l	99
90) Hexachloroethane	14.092	117	39894	19.202	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	106459	19.833	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11677	20.516	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	63509	19.185	ug/l	96
94) Hexachlorobutadiene	15.232	225	30868	19.310	ug/l	92
95) Naphthalene	15.360	128	164038	20.212	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	60459	19.876	ug/l	96

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

