

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071525\
 Data File : VW031858.D
 Acq On : 15 Jul 2025 12:51
 Operator : SY/MD
 Sample : VW0715SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0715SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 16 01:23:41 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

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	231952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	425910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	371417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	176428	53.001	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.000%	
35) Dibromofluoromethane	7.898	113	143008	51.456	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.920%	
50) Toluene-d8	10.325	98	531707	51.409	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.820%	
62) 4-Bromofluorobenzene	12.617	95	201723	53.000	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 106.000%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.052	85	31153	19.721	ug/l 97
3) Chloromethane	2.259	50	34946	18.350	ug/l 97
4) Vinyl Chloride	2.411	62	49444	19.752	ug/l 98
5) Bromomethane	2.826	94	35808	18.314	ug/l 96
6) Chloroethane	2.972	64	32457	19.089	ug/l 97
7) Trichlorofluoromethane	3.308	101	49967	21.980	ug/l 96
8) Diethyl Ether	3.728	74	35833	20.743	ug/l 100
9) 1,1,2-Trichlorotrifluo...	4.106	101	50620	20.061	ug/l 99
10) Methyl Iodide	4.313	142	70526	18.130	ug/l 99
11) Tert butyl alcohol	5.222	59	19469	94.406	ug/l # 84
12) 1,1-Dichloroethene	4.082	96	54531	19.730	ug/l 94
13) Acrolein	3.935	56	28592	77.138	ug/l 92
14) Allyl chloride	4.710	41	82484	19.451	ug/l 96
15) Acrylonitrile	5.405	53	88690	104.405	ug/l 99
16) Acetone	4.167	43	71278	86.632	ug/l 99
17) Carbon Disulfide	4.423	76	129254	17.477	ug/l 97
18) Methyl Acetate	4.716	43	38057	16.184	ug/l 98
19) Methyl tert-butyl Ether	5.466	73	97781	20.844	ug/l 100
20) Methylene Chloride	4.960	84	75460	20.065	ug/l 96
21) trans-1,2-Dichloroethene	5.466	96	58295	19.850	ug/l 97
22) Diisopropyl ether	6.350	45	175412	21.209	ug/l 98
23) Vinyl Acetate	6.289	43	625339	110.698	ug/l 100
24) 1,1-Dichloroethane	6.246	63	108286	20.195	ug/l 100
25) 2-Butanone	7.197	43	112237	104.855	ug/l 94
26) 2,2-Dichloropropane	7.191	77	55324	17.684	ug/l 100
27) cis-1,2-Dichloroethene	7.197	96	69455	20.574	ug/l 97
28) Bromochloromethane	7.532	49	48040	20.303	ug/l 99
29) Tetrahydrofuran	7.557	42	78467	107.043	ug/l 99
30) Chloroform	7.697	83	115855	20.334	ug/l 99
31) Cyclohexane	7.971	56	98177	20.714	ug/l 98
32) 1,1,1-Trichloroethane	7.892	97	84157	19.167	ug/l 97
36) 1,1-Dichloropropene	8.099	75	81619	20.295	ug/l 100
37) Ethyl Acetate	7.276	43	56011	22.078	ug/l 99
38) Carbon Tetrachloride	8.081	117	80876	19.734	ug/l 98
39) Methylcyclohexane	9.343	83	104152	20.815	ug/l 96
40) Benzene	8.337	78	239404	20.120	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	29163	21.458	ug/l	99
42) 1,2-Dichloroethane	8.416	62	81919	20.376	ug/l	99
43) Isopropyl Acetate	8.441	43	93945	21.482	ug/l	100
44) Trichloroethene	9.099	130	56871	19.150	ug/l	99
45) 1,2-Dichloropropane	9.380	63	58393	20.305	ug/l	98
46) Dibromomethane	9.471	93	37801	20.360	ug/l	95
47) Bromodichloromethane	9.654	83	86265	19.814	ug/l	100
48) Methyl methacrylate	9.447	41	46827m	21.777	ug/l	
49) 1,4-Dioxane	9.471	88	7696	353.928	ug/l #	85
51) 4-Methyl-2-Pentanone	10.215	43	268092	106.631	ug/l	99
52) Toluene	10.392	92	157563	20.682	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	81637	19.985	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	93880	20.273	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	51414	21.141	ug/l	97
56) Ethyl methacrylate	10.648	69	72244	21.896	ug/l	99
57) 1,3-Dichloropropane	10.934	76	87969	20.602	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	190528	104.870	ug/l	98
59) 2-Hexanone	10.971	43	185474	108.864	ug/l	100
60) Dibromochloromethane	11.129	129	58555	20.134	ug/l	98
61) 1,2-Dibromoethane	11.239	107	50052	20.558	ug/l	99
64) Tetrachloroethene	10.867	164	46105	18.977	ug/l	93
65) Chlorobenzene	11.660	112	169085	20.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	52084	19.945	ug/l	99
67) Ethyl Benzene	11.733	91	294836	20.749	ug/l	99
68) m/p-Xylenes	11.836	106	227151	41.583	ug/l	99
69) o-Xylene	12.166	106	106469	21.051	ug/l	99
70) Styrene	12.184	104	186457	21.325	ug/l	99
71) Bromoform	12.349	173	30437	19.538	ug/l #	100
73) Isopropylbenzene	12.464	105	283253	20.954	ug/l	99
74) N-amyl acetate	12.269	43	84928	23.309	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	64395	21.457	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	51409m	22.385	ug/l	
77) Bromobenzene	12.745	156	61151	20.283	ug/l	95
78) n-propylbenzene	12.800	91	343216	21.203	ug/l	98
79) 2-Chlorotoluene	12.891	91	210267	21.571	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	241460	21.579	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	19392	19.667	ug/l	91
82) 4-Chlorotoluene	12.989	91	214479	20.958	ug/l	99
83) tert-Butylbenzene	13.202	119	202059	21.081	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	235620	20.783	ug/l	99
85) sec-Butylbenzene	13.379	105	303122	21.070	ug/l	99
86) p-Isopropyltoluene	13.495	119	243576	20.544	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	122916	20.329	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	126265	20.403	ug/l	96
89) n-Butylbenzene	13.818	91	245957	21.351	ug/l	98
90) Hexachloroethane	14.092	117	41832	19.557	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	118004	21.353	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11512	19.645	ug/l	100
93) 1,2,4-Trichlorobenzene	15.129	180	68959	20.233	ug/l	94
94) Hexachlorobutadiene	15.226	225	30588	18.586	ug/l	89
95) Naphthalene	15.354	128	176360	21.107	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	63401	20.245	ug/l	97

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

