

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070325\
 Data File : VW031762.D
 Acq On : 03 Jul 2025 12:01
 Operator : SY/MD
 Sample : VW0703SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBS01

Quant Time: Jul 04 04:52:16 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	7.959	168	232427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	414223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176002	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	166045	49.780	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.560%
35) Dibromofluoromethane	7.898	113	133139	49.256	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.520%
50) Toluene-d8	10.325	98	511354	50.836	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.617	95	187123	50.551	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.100%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	28915	18.267	ug/l	94
3) Chloromethane	2.253	50	38123	19.977	ug/l	99
4) Vinyl Chloride	2.405	62	50989	20.328	ug/l	97
5) Bromomethane	2.826	94	38634	19.719	ug/l	96
6) Chloroethane	2.972	64	33290	19.538	ug/l	92
7) Trichlorofluoromethane	3.308	101	48050	21.093	ug/l	99
8) Diethyl Ether	3.716	74	33267	19.219	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	50715	20.058	ug/l	99
10) Methyl Iodide	4.314	142	76947	19.740	ug/l	100
11) Tert butyl alcohol	5.222	59	20333	98.394	ug/l	99
12) 1,1-Dichloroethene	4.076	96	54807	19.789	ug/l	96
13) Acrolein	3.930	56	37774	101.702	ug/l	98
14) Allyl chloride	4.710	41	83030	19.540	ug/l	99
15) Acrylonitrile	5.405	53	86828	102.005	ug/l	100
16) Acetone	4.155	43	79350	96.245	ug/l	99
17) Carbon Disulfide	4.423	76	144264	19.466	ug/l	98
18) Methyl Acetate	4.710	43	50148	21.283	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	97635	20.770	ug/l	99
20) Methylene Chloride	4.954	84	71656	18.755	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	58123	19.751	ug/l	97
22) Diisopropyl ether	6.344	45	171277	20.667	ug/l	99
23) Vinyl Acetate	6.283	43	567110	100.185	ug/l	98
24) 1,1-Dichloroethane	6.246	63	105938	19.717	ug/l	98
25) 2-Butanone	7.197	43	113543	105.858	ug/l	98
26) 2,2-Dichloropropane	7.185	77	62897	20.064	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	67600	19.984	ug/l	100
28) Bromochloromethane	7.533	49	46581	19.646	ug/l	99
29) Tetrahydrofuran	7.557	42	76930	104.732	ug/l	98
30) Chloroform	7.691	83	113620	19.901	ug/l	97
31) Cyclohexane	7.965	56	94693	19.938	ug/l #	94
32) 1,1,1-Trichloroethane	7.886	97	89939	20.442	ug/l	99
36) 1,1-Dichloropropene	8.100	75	79420	20.305	ug/l	99
37) Ethyl Acetate	7.277	43	51452	20.853	ug/l	98
38) Carbon Tetrachloride	8.087	117	80109	20.099	ug/l	96
39) Methylcyclohexane	9.343	83	99782	20.504	ug/l	93
40) Benzene	8.337	78	238076	20.573	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	29838	22.575	ug/l	98
42) 1,2-Dichloroethane	8.417	62	79871	20.427	ug/l	100
43) Isopropyl Acetate	8.435	43	86093	20.242	ug/l	99
44) Trichloroethene	9.099	130	57819	20.018	ug/l	98
45) 1,2-Dichloropropane	9.374	63	55745	19.932	ug/l	98
46) Dibromomethane	9.465	93	37869	20.972	ug/l	95
47) Bromodichloromethane	9.654	83	83496	19.719	ug/l	99
48) Methyl methacrylate	9.441	41	40831	19.524	ug/l	96
49) 1,4-Dioxane	9.465	88	8730	412.807	ug/l #	77
51) 4-Methyl-2-Pentanone	10.215	43	252775	103.376	ug/l	99
52) Toluene	10.392	92	150663	20.335	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	78875	19.854	ug/l	94
54) cis-1,3-Dichloropropene	10.075	75	88783	19.714	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	47897	20.250	ug/l	97
56) Ethyl methacrylate	10.648	69	65174	20.311	ug/l	100
57) 1,3-Dichloropropane	10.934	76	81949	19.734	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	185464	104.963	ug/l	99
59) 2-Hexanone	10.971	43	179587	108.383	ug/l	97
60) Dibromochloromethane	11.129	129	56315	19.910	ug/l	99
61) 1,2-Dibromoethane	11.233	107	48638	20.541	ug/l	100
64) Tetrachloroethene	10.861	164	48278	20.113	ug/l	93
65) Chlorobenzene	11.654	112	167342	20.668	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	52192	20.229	ug/l	99
67) Ethyl Benzene	11.727	91	285978	20.369	ug/l	96
68) m/p-Xylenes	11.837	106	219287	40.631	ug/l	97
69) o-Xylene	12.166	106	102496	20.511	ug/l	99
70) Styrene	12.178	104	176415	20.421	ug/l	98
71) Bromoform	12.349	173	30246	19.651	ug/l #	100
73) Isopropylbenzene	12.459	105	270664	20.217	ug/l	98
74) N-amyl acetate	12.270	43	76522	21.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	61295	20.623	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	48447m	21.301	ug/l	
77) Bromobenzene	12.745	156	60334	20.206	ug/l	92
78) n-propylbenzene	12.800	91	336843	21.011	ug/l	99
79) 2-Chlorotoluene	12.891	91	200230	20.741	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	230930	20.839	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	17699	18.125	ug/l	91
82) 4-Chlorotoluene	12.983	91	206578	20.382	ug/l	99
83) tert-Butylbenzene	13.202	119	198149	20.874	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	235032	20.933	ug/l	98
85) sec-Butylbenzene	13.379	105	295597	20.747	ug/l	98
86) p-Isopropyltoluene	13.495	119	246376	20.982	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	126651	21.150	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	124516	20.316	ug/l	97
89) n-Butylbenzene	13.818	91	237098	20.782	ug/l	99
90) Hexachloroethane	14.086	117	42644	20.130	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	112118	20.485	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11479	19.780	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	65752	19.480	ug/l	98
94) Hexachlorobutadiene	15.232	225	32342	19.843	ug/l	90
95) Naphthalene	15.360	128	164561	19.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	65235	21.034	ug/l	94

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

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