

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063504.D
 Acq On : 14 Jul 2025 12:18
 Operator : MD/SY
 Sample : VU0714WBSD01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0714WBSD01

Quant Time: Jul 15 01:33:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 15 01:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	104949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	191502	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	171273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	95239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	70552	52.689	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.380%
35) Dibromofluoromethane	5.277	113	56701	49.120	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.240%
50) Toluene-d8	7.888	98	174295	46.321	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.640%
62) 4-Bromofluorobenzene	10.624	95	80436	48.872	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.740%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	14046	16.828	ug/l	100
3) Chloromethane	1.518	50	17652	17.363	ug/l	97
4) Vinyl Chloride	1.599	62	20375	18.074	ug/l	93
5) Bromomethane	1.843	94	17264	21.859	ug/l	98
6) Chloroethane	1.924	64	14309	17.519	ug/l	98
7) Trichlorofluoromethane	2.126	101	36091	19.846	ug/l	98
8) Diethyl Ether	2.370	74	15276	20.156	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.567	101	21213	19.721	ug/l	99
10) Methyl Iodide	2.708	142	16427	14.621	ug/l	97
11) Tert butyl alcohol	3.200	59	59458	132.436	ug/l	99
12) 1,1-Dichloroethene	2.567	96	19023	18.999	ug/l	96
13) Acrolein	2.480	56	6994	110.368	ug/l	88
14) Allyl chloride	2.907	41	48519	20.357	ug/l	95
15) Acrylonitrile	3.306	53	116783	121.439	ug/l	99
16) Acetone	2.621	43	131549	117.115	ug/l	95
17) Carbon Disulfide	2.776	76	35384	14.783	ug/l	100
18) Methyl Acetate	2.943	43	72817	25.190	ug/l	99
19) Methyl tert-butyl Ether	3.358	73	86522	20.036	ug/l	99
20) Methylene Chloride	3.026	84	26364	16.097	ug/l	99
21) trans-1,2-Dichloroethene	3.332	96	20246	18.820	ug/l	92
22) Diisopropyl ether	3.991	45	79139	19.501	ug/l	92
23) Vinyl Acetate	3.949	43	307798	97.747	ug/l	99
24) 1,1-Dichloroethane	3.849	63	46104	20.018	ug/l	96
25) 2-Butanone	4.708	43	152425	120.880	ug/l	97
26) 2,2-Dichloropropane	4.647	77	40848	20.385	ug/l	95
27) cis-1,2-Dichloroethene	4.650	96	28018	19.732	ug/l	98
28) Bromochloromethane	4.959	49	23889	22.081	ug/l	97
29) Tetrahydrofuran	5.055	42	94379	118.652	ug/l	97
30) Chloroform	5.074	83	49597	20.396	ug/l	99
31) Cyclohexane	5.367	56	34044	18.387	ug/l #	95
32) 1,1,1-Trichloroethane	5.296	97	41406	19.998	ug/l	98
36) 1,1-Dichloropropene	5.512	75	27744	17.688	ug/l	97
37) Ethyl Acetate	4.814	43	44738	17.612	ug/l	96
38) Carbon Tetrachloride	5.509	117	30712	17.771	ug/l	100
39) Methylcyclohexane	6.750	83	32114	16.945	ug/l	94
40) Benzene	5.759	78	92326	18.848	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.975	41	23945	19.977	ug/l	96
42) 1,2-Dichloroethane	5.785	62	38446	20.873	ug/l	96
43) Isopropyl Acetate	5.914	43	63319	18.766	ug/l	99
44) Trichloroethene	6.531	130	22719	17.331	ug/l	95
45) 1,2-Dichloropropane	6.782	63	26236	19.266	ug/l	99
46) Dibromomethane	6.910	93	19104	19.718	ug/l	97
47) Bromodichloromethane	7.094	83	39332	19.523	ug/l	99
48) Methyl methacrylate	6.959	41	31753	20.362	ug/l	98
49) 1,4-Dioxane	6.965	88	17616	514.784	ug/l	98
51) 4-Methyl-2-Pentanone	7.785	43	272648	111.645	ug/l	99
52) Toluene	7.962	92	59095	18.444	ug/l	96
53) t-1,3-Dichloropropene	8.203	75	30726	17.429	ug/l	100
54) cis-1,3-Dichloropropene	7.598	75	37095	18.796	ug/l	92
55) 1,1,2-Trichloroethane	8.393	97	28098	20.650	ug/l	96
56) Ethyl methacrylate	8.328	69	41489	18.902	ug/l	97
57) 1,3-Dichloropropane	8.566	76	43823	19.539	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.463	63	2355	103.325	ug/l	98
59) 2-Hexanone	8.679	43	212161	114.861	ug/l	98
60) Dibromochloromethane	8.801	129	28942	18.987	ug/l	99
61) 1,2-Dibromoethane	8.917	107	25440	19.049	ug/l	99
64) Tetrachloroethene	8.544	164	21348	16.743	ug/l	96
65) Chlorobenzene	9.441	112	71088	19.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.524	131	23695	19.390	ug/l	97
67) Ethyl Benzene	9.563	91	119423	19.500	ug/l	100
68) m/p-Xylenes	9.685	106	92740	39.678	ug/l	99
69) o-Xylene	10.094	106	44460	18.710	ug/l	98
70) Styrene	10.106	104	73282	19.395	ug/l	98
71) Bromoform	10.283	173	19287	18.107	ug/l #	100
73) Isopropylbenzene	10.476	105	124035	19.140	ug/l	100
74) N-amyl acetate	10.315	43	57584	19.815	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.772	83	48865	20.485	ug/l	100
76) 1,2,3-Trichloropropane	10.814	75	48358	19.162	ug/l #	81
77) Bromobenzene	10.775	156	30588	19.256	ug/l	97
78) n-propylbenzene	10.897	91	146614	19.508	ug/l	97
79) 2-Chlorotoluene	10.978	91	92789	19.686	ug/l	99
80) 1,3,5-Trimethylbenzene	11.081	105	105578	18.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.541	75	9793	19.354	ug/l	89
82) 4-Chlorotoluene	11.090	91	105508	19.717	ug/l	98
83) tert-Butylbenzene	11.412	119	106632	19.617	ug/l	99
84) 1,2,4-Trimethylbenzene	11.460	105	105198	18.900	ug/l	98
85) sec-Butylbenzene	11.634	105	138753	19.345	ug/l	99
86) p-Isopropyltoluene	11.785	119	112458	19.326	ug/l	98
87) 1,3-Dichlorobenzene	11.737	146	59102	19.308	ug/l	98
88) 1,4-Dichlorobenzene	11.830	146	60574	19.409	ug/l	96
89) n-Butylbenzene	12.200	91	104128	19.334	ug/l	99
90) Hexachloroethane	12.466	117	17795	18.284	ug/l	96
91) 1,2-Dichlorobenzene	12.206	146	59880	20.061	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.987	75	13034	23.071	ug/l	96
93) 1,2,4-Trichlorobenzene	13.833	180	37678	19.710	ug/l	97
94) Hexachlorobutadiene	14.013	225	14862	18.188	ug/l	98
95) Naphthalene	14.081	128	135492	21.643	ug/l	99
96) 1,2,3-Trichlorobenzene	14.322	180	36843	19.612	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

