

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063493.D
 Acq On : 11 Jul 2025 13:19
 Operator : MD/SY
 Sample : VU0711WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD02

Quant Time: Jul 12 03:54:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 12 03:41:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	101499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	186632	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	173844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	94336	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	74215	57.309	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.620%	
35) Dibromofluoromethane	5.277	113	60063	53.390	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.780%	
50) Toluene-d8	7.888	98	194373	53.005	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.000%	
62) 4-Bromofluorobenzene	10.624	95	85240	53.142	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.280%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.383	85	13647	16.906	ug/l	94
3) Chloromethane	1.518	50	17051	17.342	ug/l	95
4) Vinyl Chloride	1.599	62	20343	18.659	ug/l	97
5) Bromomethane	1.846	94	16561	21.681	ug/l	99
6) Chloroethane	1.924	64	14444	18.285	ug/l	98
7) Trichlorofluoromethane	2.129	101	34850	19.814	ug/l	99
8) Diethyl Ether	2.371	74	15397	21.006	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.567	101	20989	20.176	ug/l	97
10) Methyl Iodide	2.708	142	19716	18.144	ug/l	96
11) Tert butyl alcohol	3.197	59	57075	131.450	ug/l	97
12) 1,1-Dichloroethene	2.567	96	18699	19.310	ug/l	95
13) Acrolein	2.480	56	5810	94.801	ug/l	97
14) Allyl chloride	2.908	41	47474	20.596	ug/l	98
15) Acrylonitrile	3.306	53	112590	121.058	ug/l	97
16) Acetone	2.621	43	111408	102.555	ug/l	99
17) Carbon Disulfide	2.776	76	38606	16.677	ug/l	96
18) Methyl Acetate	2.943	43	71887	25.714	ug/l	99
19) Methyl tert-butyl Ether	3.361	73	88587	21.212	ug/l	100
20) Methylene Chloride	3.030	84	25440	16.061	ug/l	96
21) trans-1,2-Dichloroethene	3.332	96	20578	19.779	ug/l	92
22) Diisopropyl ether	3.991	45	78564	20.017	ug/l	96
23) Vinyl Acetate	3.949	43	316732	104.003	ug/l	98
24) 1,1-Dichloroethane	3.850	63	44288	19.883	ug/l	100
25) 2-Butanone	4.711	43	140124	114.902	ug/l	100
26) 2,2-Dichloropropane	4.647	77	36734	18.955	ug/l	96
27) cis-1,2-Dichloroethene	4.653	96	27636	20.124	ug/l	100
28) Bromochloromethane	4.959	49	24141	23.072	ug/l	98
29) Tetrahydrofuran	5.055	42	91594	119.064	ug/l	99
30) Chloroform	5.071	83	48569	20.653	ug/l	99
31) Cyclohexane	5.367	56	32885	18.365	ug/l #	92
32) 1,1,1-Trichloroethane	5.296	97	39610	19.781	ug/l	99
36) 1,1-Dichloropropene	5.512	75	28413	18.587	ug/l	98
37) Ethyl Acetate	4.814	43	43998	17.773	ug/l #	92
38) Carbon Tetrachloride	5.509	117	28928	17.175	ug/l	98
39) Methylcyclohexane	6.750	83	31425	17.014	ug/l	96
40) Benzene	5.759	78	92464	19.369	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.972	41	25081	21.471	ug/l	98
42) 1,2-Dichloroethane	5.785	62	37274	20.765	ug/l	97
43) Isopropyl Acetate	5.914	43	65641	19.962	ug/l	99
44) Trichloroethene	6.531	130	24039	18.817	ug/l	99
45) 1,2-Dichloropropane	6.782	63	26436	19.920	ug/l	97
46) Dibromomethane	6.907	93	19591	20.748	ug/l	96
47) Bromodichloromethane	7.094	83	37360	19.028	ug/l	99
48) Methyl methacrylate	6.959	41	32123	21.136	ug/l	99
49) 1,4-Dioxane	6.968	88	13991	419.521	ug/l #	94
51) 4-Methyl-2-Pentanone	7.785	43	274269	115.239	ug/l	98
52) Toluene	7.959	92	56914	18.227	ug/l	98
53) t-1,3-Dichloropropene	8.203	75	30527	17.768	ug/l	95
54) cis-1,3-Dichloropropene	7.599	75	36864	19.167	ug/l	97
55) 1,1,2-Trichloroethane	8.393	97	26255	19.799	ug/l	96
56) Ethyl methacrylate	8.329	69	39834	18.622	ug/l	94
57) 1,3-Dichloropropane	8.566	76	42775	19.569	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.464	63	2458	110.658	ug/l	98
59) 2-Hexanone	8.679	43	202630	112.564	ug/l	99
60) Dibromochloromethane	8.801	129	28418	19.130	ug/l	99
61) 1,2-Dibromoethane	8.917	107	25539	19.622	ug/l	97
64) Tetrachloroethene	8.544	164	21744	16.802	ug/l	99
65) Chlorobenzene	9.438	112	69832	19.307	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.525	131	23743	19.142	ug/l	97
67) Ethyl Benzene	9.563	91	118767	19.106	ug/l	98
68) m/p-Xylenes	9.685	106	88646	37.366	ug/l	99
69) o-Xylene	10.090	106	45491	18.860	ug/l	96
70) Styrene	10.107	104	74241	19.358	ug/l	98
71) Bromoform	10.280	173	18295	16.922	ug/l #	96
73) Isopropylbenzene	10.476	105	120695	18.803	ug/l	99
74) N-amyl acetate	10.316	43	57018	19.808	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.772	83	47502	20.105	ug/l	99
76) 1,2,3-Trichloropropane	10.814	75	49925	19.972	ug/l #	81
77) Bromobenzene	10.775	156	28609	18.183	ug/l	92
78) n-propylbenzene	10.898	91	140511	18.875	ug/l	99
79) 2-Chlorotoluene	10.978	91	89428	19.155	ug/l	100
80) 1,3,5-Trimethylbenzene	11.078	105	105650	18.818	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.537	75	9478	18.911	ug/l	93
82) 4-Chlorotoluene	11.087	91	102705	19.377	ug/l	97
83) tert-Butylbenzene	11.409	119	101887	18.923	ug/l	97
84) 1,2,4-Trimethylbenzene	11.460	105	102300	18.555	ug/l	97
85) sec-Butylbenzene	11.634	105	130905	18.425	ug/l	100
86) p-Isopropyltoluene	11.785	119	108493	18.823	ug/l	98
87) 1,3-Dichlorobenzene	11.737	146	57896	19.095	ug/l	100
88) 1,4-Dichlorobenzene	11.830	146	59563	19.268	ug/l	99
89) n-Butylbenzene	12.203	91	100147	18.773	ug/l	99
90) Hexachloroethane	12.467	117	16642	17.263	ug/l	98
91) 1,2-Dichlorobenzene	12.206	146	57906	19.585	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.987	75	12483	22.307	ug/l	92
93) 1,2,4-Trichlorobenzene	13.833	180	35839	18.928	ug/l	98
94) Hexachlorobutadiene	14.010	225	14683	18.141	ug/l	99
95) Naphthalene	14.081	128	130055	20.974	ug/l	99
96) 1,2,3-Trichlorobenzene	14.322	180	36648	19.695	ug/l	95

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

