

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063500.D
 Acq On : 14 Jul 2025 08:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 15 01:29:57 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	112890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	201207	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	183301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	96664	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	73871	51.287	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.580%	
35) Dibromofluoromethane	5.277	113	60603	49.968	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.940%	
50) Toluene-d8	7.888	98	188813	47.759	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	10.624	95	84930	49.113	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.220%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	41247	45.941	ug/l	100
3) Chloromethane	1.518	50	46303	42.341	ug/l	100
4) Vinyl Chloride	1.599	62	57092	47.083	ug/l	98
5) Bromomethane	1.843	94	44403	52.265	ug/l	97
6) Chloroethane	1.923	64	39283	44.711	ug/l	99
7) Trichlorofluoromethane	2.126	101	99487	50.857	ug/l	96
8) Diethyl Ether	2.370	74	40675	49.893	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.570	101	58598	50.645	ug/l	99
10) Methyl Iodide	2.708	142	58786	48.641	ug/l	96
11) Tert butyl alcohol	3.190	59	130979	271.220	ug/l	100
12) 1,1-Dichloroethene	2.566	96	52272	48.532	ug/l	98
13) Acrolein	2.476	56	16240	238.247	ug/l	84
14) Allyl chloride	2.907	41	125576	48.982	ug/l	97
15) Acrylonitrile	3.303	53	294510	284.708	ug/l	97
16) Acetone	2.618	43	313591	259.543	ug/l	99
17) Carbon Disulfide	2.775	76	103696	40.275	ug/l	98
18) Methyl Acetate	2.939	43	180961	58.198	ug/l	100
19) Methyl tert-butyl Ether	3.357	73	245408	52.832	ug/l	100
20) Methylene Chloride	3.029	84	67811	38.491	ug/l	98
21) trans-1,2-Dichloroethene	3.332	96	54801	47.359	ug/l	97
22) Diisopropyl ether	3.988	45	232725	53.313	ug/l	98
23) Vinyl Acetate	3.946	43	921919	272.178	ug/l	99
24) 1,1-Dichloroethane	3.849	63	129218	52.158	ug/l	98
25) 2-Butanone	4.701	43	387873	285.964	ug/l	100
26) 2,2-Dichloropropane	4.647	77	114154	52.961	ug/l	98
27) cis-1,2-Dichloroethene	4.650	96	78433	51.352	ug/l	99
28) Bromochloromethane	4.955	49	61028	52.440	ug/l	99
29) Tetrahydrofuran	5.049	42	242055	282.902	ug/l	100
30) Chloroform	5.074	83	139553	53.353	ug/l	98
31) Cyclohexane	5.367	56	90521	45.451	ug/l	100
32) 1,1,1-Trichloroethane	5.299	97	119212	53.527	ug/l	100
36) 1,1-Dichloropropene	5.512	75	81178	49.259	ug/l	100
37) Ethyl Acetate	4.804	43	131622	49.317	ug/l	98
38) Carbon Tetrachloride	5.508	117	90784	49.997	ug/l	96
39) Methylcyclohexane	6.750	83	92379	46.393	ug/l	98
40) Benzene	5.759	78	265700	51.625	ug/l	100

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.968	41	69150	54.909	ug/l	98
42) 1,2-Dichloroethane	5.782	62	106096	54.823	ug/l	100
43) Isopropyl Acetate	5.910	43	195624	55.182	ug/l	98
44) Trichloroethene	6.531	130	68121	49.460	ug/l	100
45) 1,2-Dichloropropane	6.779	63	76149	53.223	ug/l	99
46) Dibromomethane	6.907	93	54718	53.752	ug/l	99
47) Bromodichloromethane	7.094	83	110753	52.322	ug/l	100
48) Methyl methacrylate	6.955	41	89925	54.883	ug/l	99
49) 1,4-Dioxane	6.959	88	31301	870.575	ug/l	96
51) 4-Methyl-2-Pentanone	7.782	43	710495	276.903	ug/l	99
52) Toluene	7.959	92	170809	50.740	ug/l	97
53) t-1,3-Dichloropropene	8.200	75	98770	53.323	ug/l	99
54) cis-1,3-Dichloropropene	7.598	75	114039	54.998	ug/l	97
55) 1,1,2-Trichloroethane	8.389	97	76049	53.195	ug/l	98
56) Ethyl methacrylate	8.325	69	118029	51.180	ug/l	99
57) 1,3-Dichloropropane	8.566	76	124763	52.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.460	63	7962	332.481	ug/l #	92
59) 2-Hexanone	8.676	43	524709	270.369	ug/l	99
60) Dibromochloromethane	8.798	129	88560	55.297	ug/l	98
61) 1,2-Dibromoethane	8.913	107	72712	51.820	ug/l	100
64) Tetrachloroethene	8.544	164	66067	48.417	ug/l	99
65) Chlorobenzene	9.438	112	203806	53.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.524	131	69934	53.472	ug/l	96
67) Ethyl Benzene	9.560	91	339356	51.776	ug/l	100
68) m/p-Xylenes	9.685	106	255020	101.949	ug/l	93
69) o-Xylene	10.090	106	130492	51.310	ug/l	99
70) Styrene	10.106	104	217955	53.899	ug/l	98
71) Bromoform	10.283	173	62263	54.618	ug/l #	100
73) Isopropylbenzene	10.473	105	347033	52.762	ug/l	100
74) N-amyl acetate	10.312	43	159249	53.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.772	83	133473	55.130	ug/l	98
76) 1,2,3-Trichloropropane	10.814	75	138343	54.010	ug/l #	19
77) Bromobenzene	10.772	156	84032	52.121	ug/l	97
78) n-propylbenzene	10.897	91	405077	53.105	ug/l	99
79) 2-Chlorotoluene	10.974	91	257671	53.862	ug/l	100
80) 1,3,5-Trimethylbenzene	11.077	105	305721	53.142	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.537	75	26216	51.047	ug/l	93
82) 4-Chlorotoluene	11.087	91	293891	54.112	ug/l	97
83) tert-Butylbenzene	11.412	119	299237	54.239	ug/l	98
84) 1,2,4-Trimethylbenzene	11.457	105	300074	53.117	ug/l	99
85) sec-Butylbenzene	11.634	105	385994	53.021	ug/l	99
86) p-Isopropyltoluene	11.785	119	318766	53.972	ug/l	100
87) 1,3-Dichlorobenzene	11.737	146	168074	54.098	ug/l	99
88) 1,4-Dichlorobenzene	11.827	146	167787	52.971	ug/l	100
89) n-Butylbenzene	12.200	91	290662	53.173	ug/l	100
90) Hexachloroethane	12.466	117	54523	55.196	ug/l	99
91) 1,2-Dichlorobenzene	12.203	146	164125	54.174	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.984	75	35091	61.198	ug/l	98
93) 1,2,4-Trichlorobenzene	13.833	180	102598	52.881	ug/l	99
94) Hexachlorobutadiene	14.013	225	43021	51.873	ug/l	99
95) Naphthalene	14.077	128	328857	51.757	ug/l	100
96) 1,2,3-Trichlorobenzene	14.322	180	100989	52.966	ug/l	100

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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

