

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086507.D
 Acq On : 06 May 2025 11:59
 Operator : JC\MD
 Sample : VN0506WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:54:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	202593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	354153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136124	46.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.680%		
35) Dibromofluoromethane	8.165	113	95028	57.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.620%		
50) Toluene-d8	10.565	98	427703	48.688	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.380%		
62) 4-Bromofluorobenzene	12.847	95	148011	46.194	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	41264	17.182	ug/l	97
3) Chloromethane	2.359	50	50503	14.469	ug/l	99
4) Vinyl Chloride	2.518	62	51702	15.523	ug/l	100
5) Bromomethane	2.965	94	30177	20.142	ug/l	98
6) Chloroethane	3.124	64	35431	15.894	ug/l	97
7) Trichlorofluoromethane	3.501	101	68828	18.655	ug/l	98
8) Diethyl Ether	3.965	74	27145	16.853	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	41571	18.626	ug/l	99
10) Methyl Iodide	4.589	142	49851	20.316	ug/l	98
11) Tert butyl alcohol	5.512	59	44390	82.814	ug/l	100
12) 1,1-Dichloroethene	4.336	96	41252	17.300	ug/l	97
13) Acrolein	4.171	56	27387	100.552	ug/l	99
14) Allyl chloride	5.024	41	59570	14.053	ug/l	94
15) Acrylonitrile	5.718	53	109076	82.317	ug/l	100
16) Acetone	4.424	43	88302	83.127	ug/l	98
17) Carbon Disulfide	4.712	76	107615	15.073	ug/l	100
18) Methyl Acetate	5.024	43	51908	14.720	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	150322	17.150	ug/l	97
20) Methylene Chloride	5.277	84	46447	17.102	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	44053	17.671	ug/l	91
22) Diisopropyl ether	6.665	45	142406	15.443	ug/l	96
23) Vinyl Acetate	6.600	43	516181	80.077	ug/l	97
24) 1,1-Dichloroethane	6.565	63	82081	16.870	ug/l	97
25) 2-Butanone	7.483	43	145591	79.618	ug/l	95
26) 2,2-Dichloropropane	7.489	77	75940	17.432	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	54597	17.645	ug/l	94
28) Bromochloromethane	7.812	49	35405	17.162	ug/l	86
29) Tetrahydrofuran	7.836	42	89668	73.330	ug/l	90
30) Chloroform	7.965	83	85325	17.853	ug/l	97
31) Cyclohexane	8.253	56	74980	15.749	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	75429	18.449	ug/l	96
36) 1,1-Dichloropropene	8.371	75	60471	18.420	ug/l	98
37) Ethyl Acetate	7.559	43	58191	16.836	ug/l	100
38) Carbon Tetrachloride	8.359	117	63140	20.196	ug/l	97
39) Methylcyclohexane	9.600	83	69086	17.705	ug/l	97
40) Benzene	8.600	78	193491	18.395	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	33433	16.690	ug/l	98
42) 1,2-Dichloroethane	8.665	62	64305	19.171	ug/l	99
43) Isopropyl Acetate	8.688	43	112112	16.577	ug/l	99
44) Trichloroethene	9.347	130	49109	19.698	ug/l	98
45) 1,2-Dichloropropane	9.618	63	45760	17.773	ug/l	98
46) Dibromomethane	9.706	93	32650	19.903	ug/l	94
47) Bromodichloromethane	9.888	83	67355	19.010	ug/l	100
48) Methyl methacrylate	9.677	41	49327	16.252	ug/l	94
49) 1,4-Dioxane	9.688	88	19198	371.850	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	302800	85.555	ug/l	98
52) Toluene	10.629	92	124084	18.906	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	72026	18.211	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	78500	18.070	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	45810	19.400	ug/l	98
56) Ethyl methacrylate	10.871	69	75226	17.331	ug/l	97
57) 1,3-Dichloropropane	11.159	76	79702	19.024	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	135415	65.729	ug/l	97
59) 2-Hexanone	11.194	43	222499	84.756	ug/l	99
60) Dibromochloromethane	11.353	129	50453	19.457	ug/l	99
61) 1,2-Dibromoethane	11.465	107	47293	19.848	ug/l	100
64) Tetrachloroethene	11.100	164	48845	20.396	ug/l	96
65) Chlorobenzene	11.888	112	135029	19.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	45717	19.946	ug/l	98
67) Ethyl Benzene	11.959	91	234561	18.709	ug/l	100
68) m/p-Xylenes	12.071	106	178693	38.037	ug/l	97
69) o-Xylene	12.394	106	87782	18.895	ug/l	98
70) Styrene	12.406	104	145972	18.857	ug/l	99
71) Bromoform	12.576	173	33235	19.259	ug/l #	99
73) Isopropylbenzene	12.694	105	219087	19.114	ug/l	100
74) N-amyl acetate	12.488	43	88062	15.433	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	62576	18.988	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	59291m	17.931	ug/l	
77) Bromobenzene	12.976	156	51777	20.387	ug/l	90
78) n-propylbenzene	13.035	91	247704	18.340	ug/l	99
79) 2-Chlorotoluene	13.123	91	156429	18.509	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	177298	18.899	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22195	16.121	ug/l	94
82) 4-Chlorotoluene	13.218	91	153685	18.306	ug/l	98
83) tert-Butylbenzene	13.435	119	152115	18.714	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	178063	18.647	ug/l	99
85) sec-Butylbenzene	13.612	105	206719	18.334	ug/l	97
86) p-Isopropyltoluene	13.723	119	173735	18.694	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	94368	19.766	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	92775	19.293	ug/l	98
89) n-Butylbenzene	14.053	91	143499	17.420	ug/l	99
90) Hexachloroethane	14.329	117	27726	17.737	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	92703	20.028	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12145	18.277	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	43719	19.725	ug/l	97
94) Hexachlorobutadiene	15.500	225	16283	19.462	ug/l	98
95) Naphthalene	15.635	128	143926	18.319	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	41089	19.581	ug/l	98

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

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