

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086682.D
 Acq On : 19 May 2025 12:14
 Operator : JC\MD
 Sample : VN0519WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 20 03:16:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	207027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	336328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138607	48.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.900%		
35) Dibromofluoromethane	8.165	113	106639	47.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	10.565	98	437918	47.484	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.960%		
62) 4-Bromofluorobenzene	12.847	95	155130	47.639	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44888	20.077	ug/l	98
3) Chloromethane	2.360	50	60991	18.036	ug/l	100
4) Vinyl Chloride	2.518	62	55454	18.260	ug/l	95
5) Bromomethane	2.959	94	31920	18.232	ug/l	99
6) Chloroethane	3.124	64	35314	17.750	ug/l	92
7) Trichlorofluoromethane	3.501	101	67567	18.617	ug/l	100
8) Diethyl Ether	3.959	74	28629	19.095	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	41272	18.995	ug/l	98
10) Methyl Iodide	4.589	142	49028	18.140	ug/l	97
11) Tert butyl alcohol	5.518	59	46929	90.073	ug/l	99
12) 1,1-Dichloroethene	4.336	96	41938	18.162	ug/l	95
13) Acrolein	4.177	56	55453	99.562	ug/l	98
14) Allyl chloride	5.024	41	63600	18.197	ug/l	99
15) Acrylonitrile	5.718	53	121434	94.134	ug/l	100
16) Acetone	4.424	43	93206	87.100	ug/l	98
17) Carbon Disulfide	4.712	76	117351	18.356	ug/l	99
18) Methyl Acetate	5.018	43	52232	17.439	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	151762	19.302	ug/l	99
20) Methylene Chloride	5.277	84	48908	17.319	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	45206	18.517	ug/l	98
22) Diisopropyl ether	6.665	45	150447	19.080	ug/l	98
23) Vinyl Acetate	6.600	43	568857	95.991	ug/l	100
24) 1,1-Dichloroethane	6.571	63	84213	18.191	ug/l	97
25) 2-Butanone	7.477	43	153717	92.959	ug/l	99
26) 2,2-Dichloropropane	7.489	77	71985	18.842	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	55257	18.439	ug/l	98
28) Bromochloromethane	7.812	49	39848	18.945	ug/l	99
29) Tetrahydrofuran	7.836	42	103950	96.309	ug/l	99
30) Chloroform	7.965	83	84922	18.327	ug/l	99
31) Cyclohexane	8.253	56	76381	17.790	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	72382	18.528	ug/l	97
36) 1,1-Dichloropropene	8.365	75	60916	18.557	ug/l	99
37) Ethyl Acetate	7.559	43	61674	18.599	ug/l	99
38) Carbon Tetrachloride	8.359	117	59595	18.426	ug/l	98
39) Methylcyclohexane	9.600	83	69129	19.457	ug/l	98
40) Benzene	8.600	78	201707	18.836	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33032	18.450	ug/l	96
42) 1,2-Dichloroethane	8.665	62	64419	19.309	ug/l	99
43) Isopropyl Acetate	8.683	43	111943	16.840	ug/l	99
44) Trichloroethene	9.347	130	48218	18.669	ug/l	97
45) 1,2-Dichloropropane	9.618	63	47717	18.758	ug/l	100
46) Dibromomethane	9.706	93	32603	18.994	ug/l	100
47) Bromodichloromethane	9.883	83	67606	19.115	ug/l	99
48) Methyl methacrylate	9.677	41	48974	19.012	ug/l	99
49) 1,4-Dioxane	9.688	88	20318	372.506	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	313262	93.448	ug/l	100
52) Toluene	10.630	92	123879	18.613	ug/l	98
53) t-1,3-Dichloropropene	10.830	75	73516	19.632	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	79222	19.380	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	46702	18.811	ug/l	98
56) Ethyl methacrylate	10.871	69	76675	19.235	ug/l	98
57) 1,3-Dichloropropane	11.159	76	81592	19.076	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	174778	98.103	ug/l	100
59) 2-Hexanone	11.194	43	230513	94.163	ug/l	99
60) Dibromochloromethane	11.353	129	50516	19.415	ug/l	98
61) 1,2-Dibromoethane	11.465	107	47095	18.877	ug/l	100
64) Tetrachloroethene	11.100	164	50042	19.423	ug/l	96
65) Chlorobenzene	11.888	112	135549	18.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	44503	18.692	ug/l	99
67) Ethyl Benzene	11.959	91	233376	18.475	ug/l	99
68) m/p-Xylenes	12.065	106	177899	37.181	ug/l	100
69) o-Xylene	12.394	106	86593	18.204	ug/l	98
70) Styrene	12.406	104	144985	18.617	ug/l	99
71) Bromoform	12.576	173	32496	19.192	ug/l #	98
73) Isopropylbenzene	12.694	105	207051	17.528	ug/l	99
74) N-amyl acetate	12.488	43	88720	17.976	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	63483	17.493	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	69177m	19.999	ug/l	
77) Bromobenzene	12.976	156	52437	17.647	ug/l	99
78) n-propylbenzene	13.035	91	243078	17.931	ug/l	99
79) 2-Chlorotoluene	13.124	91	155213	17.609	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	172869	18.266	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	26575	19.389	ug/l	93
82) 4-Chlorotoluene	13.218	91	156395	17.909	ug/l	99
83) tert-Butylbenzene	13.435	119	144937	17.561	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	172585	18.313	ug/l	99
85) sec-Butylbenzene	13.612	105	202139	18.266	ug/l	100
86) p-Isopropyltoluene	13.723	119	169934	18.733	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	93515	18.174	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	95478	18.728	ug/l	99
89) n-Butylbenzene	14.053	91	142030	18.887	ug/l	99
90) Hexachloroethane	14.329	117	27123	18.021	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	91080	18.610	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.712	75	11528	19.175	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	40153	19.437	ug/l	99
94) Hexachlorobutadiene	15.500	225	16467	19.212	ug/l	98
95) Naphthalene	15.635	128	135212	18.850	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	39579	19.564	ug/l	99

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

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