

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087530.D
 Acq On : 13 Aug 2025 13:23
 Operator : JC\MD
 Sample : VN0813WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 03:58:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	266779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	512412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	464252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	233575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	253037	55.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.800%			
35) Dibromofluoromethane	8.153	113	172807	48.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	10.547	98	614481	48.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.480%			
62) 4-Bromofluorobenzene	12.829	95	240746	51.682	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	65074	22.966	ug/l	97
3) Chloromethane	2.383	50	62456	17.528	ug/l	100
4) Vinyl Chloride	2.542	62	69089	19.511	ug/l	97
5) Bromomethane	2.983	94	34112	18.602	ug/l	93
6) Chloroethane	3.136	64	47465	20.554	ug/l	96
7) Trichlorofluoromethane	3.506	101	105763	20.198	ug/l	97
8) Diethyl Ether	3.959	74	43436	21.385	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	58966	21.937	ug/l	95
10) Methyl Iodide	4.577	142	29096	14.968	ug/l	91
11) Tert butyl alcohol	5.524	59	97149	113.027	ug/l	96
12) 1,1-Dichloroethene	4.336	96	57633	18.921	ug/l	96
13) Acrolein	4.183	56	69159	100.262	ug/l	94
14) Allyl chloride	5.012	41	106838	19.381	ug/l	94
15) Acrylonitrile	5.712	53	235001	100.755	ug/l	98
16) Acetone	4.424	43	239432	112.811	ug/l	97
17) Carbon Disulfide	4.700	76	160063	17.725	ug/l	98
18) Methyl Acetate	5.024	43	124016	23.257	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	249165	22.193	ug/l	94
20) Methylene Chloride	5.265	84	72230	19.744	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	64985	18.921	ug/l	95
22) Diisopropyl ether	6.665	45	250212	21.639	ug/l	94
23) Vinyl Acetate	6.595	43	1065966	105.407	ug/l	100
24) 1,1-Dichloroethane	6.553	63	130584	19.575	ug/l	98
25) 2-Butanone	7.477	43	355122	108.290	ug/l	97
26) 2,2-Dichloropropane	7.471	77	112245	21.642	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	78062	19.742	ug/l	94
28) Bromochloromethane	7.800	49	82704	25.905	ug/l	89
29) Tetrahydrofuran	7.830	42	222641	104.509	ug/l	100
30) Chloroform	7.953	83	139708	20.923	ug/l	96
31) Cyclohexane	8.241	56	116493	20.933	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	116674	20.175	ug/l	94
36) 1,1-Dichloropropene	8.353	75	90656	19.413	ug/l	99
37) Ethyl Acetate	7.547	43	138345	20.513	ug/l	97
38) Carbon Tetrachloride	8.347	117	93676	18.210	ug/l	100
39) Methylcyclohexane	9.583	83	106012	20.968	ug/l	97
40) Benzene	8.588	78	284664	18.861	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	71206	20.192	ug/l	94
42) 1,2-Dichloroethane	8.653	62	117819	20.585	ug/l	99
43) Isopropyl Acetate	8.677	43	218724	20.891	ug/l	97
44) Trichloroethene	9.335	130	61840	17.340	ug/l	90
45) 1,2-Dichloropropane	9.606	63	73314	19.117	ug/l	96
46) Dibromomethane	9.694	93	54955	19.139	ug/l	95
47) Bromodichloromethane	9.871	83	110549	19.114	ug/l	100
48) Methyl methacrylate	9.665	41	103250	21.906	ug/l	91
49) 1,4-Dioxane	9.683	88	30707	425.370	ug/l #	98
51) 4-Methyl-2-Pentanone	10.430	43	677508	102.315	ug/l	97
52) Toluene	10.612	92	174579	19.030	ug/l	93
53) t-1,3-Dichloropropene	10.818	75	114738	19.602	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	120668	19.958	ug/l #	88
55) 1,1,2-Trichloroethane	10.994	97	71031	19.125	ug/l #	91
56) Ethyl methacrylate	10.859	69	119790	19.958	ug/l #	93
57) 1,3-Dichloropropane	11.147	76	125761	19.584	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	341037	111.937	ug/l	100
59) 2-Hexanone	11.182	43	434848	98.981	ug/l	99
60) Dibromochloromethane	11.335	129	79483	18.765	ug/l	98
61) 1,2-Dibromoethane	11.453	107	75658	19.374	ug/l	95
64) Tetrachloroethene	11.082	164	49705	16.635	ug/l	95
65) Chlorobenzene	11.871	112	185394	17.787	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	66848	18.862	ug/l	96
67) Ethyl Benzene	11.941	91	335652	19.562	ug/l	97
68) m/p-Xylenes	12.053	106	248384	38.658	ug/l	93
69) o-Xylene	12.376	106	120524	19.637	ug/l	94
70) Styrene	12.394	104	204820	19.838	ug/l	98
71) Bromoform	12.559	173	50837	17.755	ug/l #	98
73) Isopropylbenzene	12.676	105	316020	21.497	ug/l	96
74) N-amyl acetate	12.541	43	115395m	18.893	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	114486	20.697	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	102194m	19.511	ug/l	
77) Bromobenzene	12.965	156	72862	19.111	ug/l	93
78) n-propylbenzene	13.018	91	397991	21.518	ug/l	97
79) 2-Chlorotoluene	13.106	91	233909	20.578	ug/l	94
80) 1,3,5-Trimethylbenzene	13.153	105	271593	21.683	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.718	75	32118	16.778	ug/l	93
82) 4-Chlorotoluene	13.200	91	243438	20.570	ug/l	97
83) tert-Butylbenzene	13.418	119	227761	21.772	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	274928	21.494	ug/l	95
85) sec-Butylbenzene	13.594	105	346841	22.011	ug/l	98
86) p-Isopropyltoluene	13.712	119	279271	22.115	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	141081	18.855	ug/l	97
88) 1,4-Dichlorobenzene	13.794	146	149500	18.707	ug/l	97
89) n-Butylbenzene	14.035	91	283005	23.470	ug/l	99
90) Hexachloroethane	14.312	117	51791	19.357	ug/l	91
91) 1,2-Dichlorobenzene	14.088	146	139847	19.728	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28181	19.404	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	87149	20.929	ug/l	97
94) Hexachlorobutadiene	15.476	225	33877	21.896	ug/l	97
95) Naphthalene	15.617	128	307032	20.814	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	81621	19.541	ug/l	99

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

