

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086482.D
 Acq On : 05 May 2025 13:36
 Operator : JC\MD
 Sample : VN0505WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:19 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	157209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119804	52.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.100%			
35) Dibromofluoromethane	8.165	113	79853	58.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.480%			
50) Toluene-d8	10.565	98	359432	49.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	12.847	95	129013	48.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36210	19.430	ug/l	99
3) Chloromethane	2.359	50	49598	18.312	ug/l	100
4) Vinyl Chloride	2.512	62	48501	18.765	ug/l	99
5) Bromomethane	2.959	94	28939	24.892	ug/l	95
6) Chloroethane	3.124	64	32629	18.863	ug/l	100
7) Trichlorofluoromethane	3.500	101	56785	19.835	ug/l	96
8) Diethyl Ether	3.959	74	24331	19.467	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	34954	20.182	ug/l	98
10) Methyl Iodide	4.589	142	43449	22.819	ug/l	94
11) Tert butyl alcohol	5.518	59	40824	98.147	ug/l	99
12) 1,1-Dichloroethene	4.341	96	34994	18.912	ug/l	97
13) Acrolein	4.183	56	19395	90.363	ug/l	98
14) Allyl chloride	5.018	41	56827m	17.276	ug/l	
15) Acrylonitrile	5.712	53	102614	99.796	ug/l	99
16) Acetone	4.424	43	82564	101.360	ug/l	96
17) Carbon Disulfide	4.712	76	97876	17.666	ug/l	98
18) Methyl Acetate	5.024	43	49506	18.091	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	138772	20.403	ug/l	100
20) Methylene Chloride	5.277	84	43783	20.775	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	38777	20.045	ug/l	87
22) Diisopropyl ether	6.671	45	134372	18.779	ug/l	97
23) Vinyl Acetate	6.600	43	492096	98.379	ug/l	97
24) 1,1-Dichloroethane	6.571	63	74385	19.702	ug/l	99
25) 2-Butanone	7.477	43	136874	96.460	ug/l	98
26) 2,2-Dichloropropane	7.488	77	64287	19.018	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	48778	20.316	ug/l	95
28) Bromochloromethane	7.812	49	30366	18.969	ug/l	93
29) Tetrahydrofuran	7.835	42	89911	94.755	ug/l	97
30) Chloroform	7.965	83	77318	20.847	ug/l	97
31) Cyclohexane	8.253	56	65428	17.710	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	64240	20.248	ug/l	98
36) 1,1-Dichloropropene	8.371	75	53058	19.541	ug/l	99
37) Ethyl Acetate	7.559	43	56800	19.870	ug/l	98
38) Carbon Tetrachloride	8.359	117	54266	20.987	ug/l	99
39) Methylcyclohexane	9.600	83	60196	18.652	ug/l	98
40) Benzene	8.606	78	173108	19.899	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	29557	17.841	ug/l	91
42) 1,2-Dichloroethane	8.671	62	60210	21.704	ug/l	100
43) Isopropyl Acetate	8.688	43	108956	19.848	ug/l	98
44) Trichloroethene	9.347	130	43305	21.002	ug/l	90
45) 1,2-Dichloropropane	9.618	63	42755	20.078	ug/l	98
46) Dibromomethane	9.706	93	31066	22.897	ug/l	97
47) Bromodichloromethane	9.888	83	62049	21.174	ug/l	95
48) Methyl methacrylate	9.676	41	47363	18.868	ug/l	97
49) 1,4-Dioxane	9.694	88	18423	431.457	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	291483	99.579	ug/l	99
52) Toluene	10.629	92	112038	20.640	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	67189	20.540	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	70657	19.666	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	42677	21.852	ug/l	97
56) Ethyl methacrylate	10.870	69	73075	20.356	ug/l	96
57) 1,3-Dichloropropane	11.159	76	75060	21.662	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	141580	83.092	ug/l	97
59) 2-Hexanone	11.194	43	215159	99.098	ug/l	100
60) Dibromochloromethane	11.359	129	47238	22.027	ug/l	98
61) 1,2-Dibromoethane	11.465	107	43512	22.080	ug/l	100
64) Tetrachloroethene	11.100	164	43232	21.072	ug/l	94
65) Chlorobenzene	11.888	112	124142	20.856	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	41567	21.168	ug/l	99
67) Ethyl Benzene	11.959	91	213840	19.909	ug/l	99
68) m/p-Xylenes	12.070	106	163665	40.666	ug/l	97
69) o-Xylene	12.394	106	80115	20.129	ug/l	99
70) Styrene	12.406	104	137083	20.671	ug/l	99
71) Bromoform	12.576	173	31676	21.426	ug/l #	96
73) Isopropylbenzene	12.694	105	198652	19.678	ug/l	100
74) N-amyl acetate	12.488	43	88916	17.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61804	21.293	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	58672m	20.147	ug/l	
77) Bromobenzene	12.976	156	48339	21.611	ug/l	92
78) n-propylbenzene	13.035	91	233101	19.596	ug/l	99
79) 2-Chlorotoluene	13.123	91	146693	19.707	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	164690	19.932	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	21504	17.734	ug/l	94
82) 4-Chlorotoluene	13.217	91	147900	20.002	ug/l	99
83) tert-Butylbenzene	13.435	119	138059	19.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	168656	20.053	ug/l	100
85) sec-Butylbenzene	13.611	105	196131	19.751	ug/l	99
86) p-Isopropyltoluene	13.723	119	162622	19.868	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	89534	21.293	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	88358	20.863	ug/l	99
89) n-Butylbenzene	14.053	91	138542	19.096	ug/l	99
90) Hexachloroethane	14.329	117	26351	19.140	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	84540	20.738	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	11071	18.916	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	38104	19.520	ug/l	99
94) Hexachlorobutadiene	15.494	225	14681	19.923	ug/l	99
95) Naphthalene	15.635	128	130638	18.879	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	36275	19.628	ug/l	99

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

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