

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088400.D
 Acq On : 02 Dec 2025 11:34
 Operator : JC\MD
 Sample : VN1202WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1202WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:25:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	245156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	446464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	240662	52.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	8.147	113	161190	52.098	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.200%			
50) Toluene-d8	10.541	98	580861	50.457	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.823	95	194910	49.345	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	70157	19.053	ug/l	95
3) Chloromethane	2.383	50	74084	18.733	ug/l	97
4) Vinyl Chloride	2.536	62	73356	18.233	ug/l	98
5) Bromomethane	2.983	94	37837	19.540	ug/l	97
6) Chloroethane	3.142	64	46465	18.662	ug/l	98
7) Trichlorofluoromethane	3.518	101	106266	18.793	ug/l	98
8) Diethyl Ether	3.959	74	38646	18.209	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	56672	18.826	ug/l	97
10) Methyl Iodide	4.589	142	50851	17.064	ug/l	94
11) Tert butyl alcohol	5.512	59	57939	78.579	ug/l	97
12) 1,1-Dichloroethene	4.342	96	55427	18.532	ug/l	97
13) Acrolein	4.171	56	70631	100.057	ug/l	98
14) Allyl chloride	5.024	41	97630	17.611	ug/l	98
15) Acrylonitrile	5.706	53	197874	93.015	ug/l	98
16) Acetone	4.424	43	146653	87.806	ug/l	94
17) Carbon Disulfide	4.706	76	181733	18.594	ug/l	97
18) Methyl Acetate	5.024	43	98079	19.728	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	219830	19.617	ug/l	100
20) Methylene Chloride	5.265	84	68202	19.086	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	61577	18.585	ug/l	92
22) Diisopropyl ether	6.653	45	232233	19.622	ug/l	95
23) Vinyl Acetate	6.589	43	948981m	99.519	ug/l	
24) 1,1-Dichloroethane	6.553	63	128842	19.223	ug/l	95
25) 2-Butanone	7.471	43	251629	93.715	ug/l	92
26) 2,2-Dichloropropane	7.471	77	108173	18.698	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	71623	18.601	ug/l	97
28) Bromochloromethane	7.794	49	69751	20.891	ug/l	99
29) Tetrahydrofuran	7.824	42	178128	92.491	ug/l	99
30) Chloroform	7.953	83	129498	19.663	ug/l	99
31) Cyclohexane	8.235	56	114899	18.917	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	108786	18.786	ug/l	98
36) 1,1-Dichloropropene	8.353	75	87696	18.366	ug/l	98
37) Ethyl Acetate	7.547	43	118314	18.844	ug/l	99
38) Carbon Tetrachloride	8.341	117	90553	19.050	ug/l	98
39) Methylcyclohexane	9.577	83	91293	17.874	ug/l	91
40) Benzene	8.582	78	261591	18.666	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088400.D
 Acq On : 02 Dec 2025 11:34
 Operator : JC\MD
 Sample : VN1202WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1202WBS02

Quant Time: Dec 03 01:25:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	57900	18.619	ug/l	99
42) 1,2-Dichloroethane	8.647	62	108373	20.268	ug/l	99
43) Isopropyl Acetate	8.671	43	183066	19.084	ug/l	99
44) Trichloroethene	9.335	130	59332	17.917	ug/l	88
45) 1,2-Dichloropropane	9.600	63	68444	19.062	ug/l	89
46) Dibromomethane	9.682	93	50750	19.805	ug/l	100
47) Bromodichloromethane	9.865	83	103508	19.797	ug/l	95
48) Methyl methacrylate	9.665	41	84066	19.207	ug/l	97
49) 1,4-Dioxane	9.682	88	19101	343.156	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	563219	99.609	ug/l	99
52) Toluene	10.606	92	157757	19.495	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	100141	18.659	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	107513	19.049	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	62971	20.113	ug/l	96
56) Ethyl methacrylate	10.853	69	96496	19.511	ug/l	96
57) 1,3-Dichloropropane	11.141	76	109205	19.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	274912	96.419	ug/l	99
59) 2-Hexanone	11.176	43	334598	93.936	ug/l	97
60) Dibromochloromethane	11.335	129	68805	19.277	ug/l	98
61) 1,2-Dibromoethane	11.447	107	61736	19.472	ug/l	100
64) Tetrachloroethene	11.082	164	52163	16.603	ug/l	97
65) Chlorobenzene	11.871	112	167678	18.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	57320	19.092	ug/l	97
67) Ethyl Benzene	11.941	91	287588	18.484	ug/l	99
68) m/p-Xylenes	12.047	106	216717	37.568	ug/l	100
69) o-Xylene	12.376	106	99322	18.060	ug/l	98
70) Styrene	12.388	104	172048	19.267	ug/l	99
71) Bromoform	12.559	173	43810	19.922	ug/l #	99
73) Isopropylbenzene	12.670	105	259362	18.618	ug/l	99
74) N-amyl acetate	12.682	43	94838m	19.990	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	89094	19.783	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	90661m	20.545	ug/l	
77) Bromobenzene	12.959	156	61245	19.215	ug/l	95
78) n-propylbenzene	13.012	91	327010	19.188	ug/l	99
79) 2-Chlorotoluene	13.100	91	195499	18.785	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	219187	18.988	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	28811	18.522	ug/l #	100
82) 4-Chlorotoluene	13.200	91	199887	19.337	ug/l	99
83) tert-Butylbenzene	13.412	119	183448	18.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	225422	19.647	ug/l	97
85) sec-Butylbenzene	13.588	105	270952	19.220	ug/l	99
86) p-Isopropyltoluene	13.706	119	223655	19.348	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	116423	18.764	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	121526	18.698	ug/l	96
89) n-Butylbenzene	14.029	91	209256	18.644	ug/l	99
90) Hexachloroethane	14.306	117	41518	19.661	ug/l	98
91) 1,2-Dichlorobenzene	14.088	146	109481	18.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20576	18.831	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	62996	18.158	ug/l	96
94) Hexachlorobutadiene	15.476	225	24005	19.255	ug/l	98
95) Naphthalene	15.611	128	214287	17.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	62555	18.528	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088400.D
Acq On : 02 Dec 2025 11:34
Operator : JC\MD
Sample : VN1202WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:25:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

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

