

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088090.D
 Acq On : 24 Oct 2025 13:43
 Operator : JC\MD
 Sample : VN1024WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	356256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	651642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	567094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	286160	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	299119	48.555	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.120%
35) Dibromofluoromethane	8.147	113	205213	46.876	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.760%
50) Toluene-d8	10.547	98	784983	46.536	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.080%
62) 4-Bromofluorobenzene	12.829	95	282981	47.502	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	79559	19.798	ug/l	97
3) Chloromethane	2.383	50	90139	19.066	ug/l	96
4) Vinyl Chloride	2.536	62	98879	19.195	ug/l	99
5) Bromomethane	2.983	94	53583	17.391	ug/l	99
6) Chloroethane	3.142	64	64074	17.264	ug/l	90
7) Trichlorofluoromethane	3.512	101	145505	17.710	ug/l	97
8) Diethyl Ether	3.953	74	54709	17.917	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	79673	18.793	ug/l	99
10) Methyl Iodide	4.583	142	68406	19.194	ug/l	97
11) Tert butyl alcohol	5.524	59	106675	100.513	ug/l	99
12) 1,1-Dichloroethene	4.336	96	77935	17.405	ug/l	94
13) Acrolein	4.177	56	114827	96.188	ug/l	100
14) Allyl chloride	5.018	41	149951	19.106	ug/l	98
15) Acrylonitrile	5.706	53	279450	96.664	ug/l	99
16) Acetone	4.424	43	267581	86.459	ug/l	93
17) Carbon Disulfide	4.706	76	255472	18.769	ug/l	98
18) Methyl Acetate	5.012	43	125263	19.770	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	313859	19.086	ug/l	98
20) Methylene Chloride	5.265	84	95982	20.390	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	88091	17.923	ug/l	97
22) Diisopropyl ether	6.659	45	324548	19.663	ug/l	98
23) Vinyl Acetate	6.589	43	1479401	99.502	ug/l	99
24) 1,1-Dichloroethane	6.553	63	181397	19.840	ug/l	97
25) 2-Butanone	7.471	43	402736	98.743	ug/l	97
26) 2,2-Dichloropropane	7.477	77	158606	19.089	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	105652	18.672	ug/l	94
28) Bromochloromethane	7.800	49	94357	21.841	ug/l	98
29) Tetrahydrofuran	7.824	42	245942	92.527	ug/l	99
30) Chloroform	7.947	83	180175	19.726	ug/l	98
31) Cyclohexane	8.236	56	167272	19.398	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	156709	19.263	ug/l	94
36) 1,1-Dichloropropene	8.353	75	128622	20.122	ug/l	100
37) Ethyl Acetate	7.547	43	155405	18.840	ug/l	98
38) Carbon Tetrachloride	8.341	117	134549	20.380	ug/l	92
39) Methylcyclohexane	9.583	83	155249	18.896	ug/l	99
40) Benzene	8.588	78	381424	19.594	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088090.D
 Acq On : 24 Oct 2025 13:43
 Operator : JC\MD
 Sample : VN1024WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/27/2025
 Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	82287	18.954	ug/l	97
42) 1,2-Dichloroethane	8.653	62	142901	20.660	ug/l	98
43) Isopropyl Acetate	8.677	43	253601	20.008	ug/l	99
44) Trichloroethene	9.330	130	88868	19.531	ug/l	97
45) 1,2-Dichloropropane	9.600	63	98375	20.017	ug/l	94
46) Dibromomethane	9.688	93	71004	20.257	ug/l	98
47) Bromodichloromethane	9.865	83	142542	20.312	ug/l	94
48) Methyl methacrylate	9.665	41	120186	20.538	ug/l	98
49) 1,4-Dioxane	9.683	88	27675	380.241	ug/l #	89
51) 4-Methyl-2-Pentanone	10.424	43	769646	102.640	ug/l	99
52) Toluene	10.606	92	239219	19.931	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	147197	19.708	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	155355	19.602	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	88950	19.535	ug/l	97
56) Ethyl methacrylate	10.853	69	145715	20.222	ug/l	98
57) 1,3-Dichloropropane	11.141	76	160455	20.048	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	361100	96.340	ug/l	99
59) 2-Hexanone	11.177	43	503814	101.283	ug/l	98
60) Dibromochloromethane	11.341	129	97389	18.817	ug/l	97
61) 1,2-Dibromoethane	11.447	107	89467	19.091	ug/l	100
64) Tetrachloroethene	11.082	164	71774	19.188	ug/l	93
65) Chlorobenzene	11.871	112	251954	19.566	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	82040	19.447	ug/l	98
67) Ethyl Benzene	11.941	91	451067	19.956	ug/l	100
68) m/p-Xylenes	12.047	106	333402	39.368	ug/l	99
69) o-Xylene	12.376	106	158050	19.687	ug/l	99
70) Styrene	12.388	104	267299	20.418	ug/l	98
71) Bromoform	12.559	173	61627	19.575	ug/l #	98
73) Isopropylbenzene	12.671	105	420288	19.043	ug/l	99
74) N-amyl acetate	12.676	43	115215m	18.389	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	131733	19.171	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	129112m	19.734	ug/l	
77) Bromobenzene	12.959	156	91861	19.301	ug/l	93
78) n-propylbenzene	13.012	91	520777	19.335	ug/l	98
79) 2-Chlorotoluene	13.106	91	312022	20.314	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	361643	19.730	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	38624	16.468	ug/l	93
82) 4-Chlorotoluene	13.200	91	318454	19.163	ug/l	99
83) tert-Butylbenzene	13.418	119	314643	19.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	360878	19.678	ug/l	100
85) sec-Butylbenzene	13.594	105	465186	19.337	ug/l	99
86) p-Isopropyltoluene	13.706	119	381439	19.765	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	183699	19.335	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	190892	18.707	ug/l	97
89) n-Butylbenzene	14.029	91	372285	19.475	ug/l	99
90) Hexachloroethane	14.312	117	70465	18.855	ug/l	93
91) 1,2-Dichlorobenzene	14.082	146	174002	18.999	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30560	19.108	ug/l	96
93) 1,2,4-Trichlorobenzene	15.365	180	104719	18.880	ug/l	99
94) Hexachlorobutadiene	15.470	225	41542	20.112	ug/l	100
95) Naphthalene	15.612	128	349011	18.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	100322	18.864	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
Data File : VN088090.D
Acq On : 24 Oct 2025 13:43
Operator : JC\MD
Sample : VN1024WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Semsettin Yesilyurt 10/27/2025

Quant Time: Oct 25 01:03:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

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

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

