

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088106.D
 Acq On : 27 Oct 2025 12:29
 Operator : JC\MD
 Sample : VN1027WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2025
 Supervised By : Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:23:34 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	293635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	537984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	482887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	241641	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	286315	56.388	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.780%	
35) Dibromofluoromethane	8.147	113	191693	53.039	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.080%	
50) Toluene-d8	10.547	98	709565	50.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	12.829	95	260025	52.870	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.740%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	71261	21.515	ug/l	100
3) Chloromethane	2.383	50	82410	21.149	ug/l	94
4) Vinyl Chloride	2.536	62	88801	20.915	ug/l	99
5) Bromomethane	2.983	94	51246	20.180	ug/l	97
6) Chloroethane	3.142	64	57847	18.911	ug/l	98
7) Trichlorofluoromethane	3.518	101	132934	19.631	ug/l	99
8) Diethyl Ether	3.959	74	53161	21.123	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	70709	20.235	ug/l	98
10) Methyl Iodide	4.589	142	66091	21.775	ug/l	97
11) Tert butyl alcohol	5.512	59	108104	123.582	ug/l	97
12) 1,1-Dichloroethene	4.336	96	69616	18.863	ug/l	99
13) Acrolein	4.177	56	129096	131.202	ug/l	99
14) Allyl chloride	5.012	41	135399	20.931	ug/l	98
15) Acrylonitrile	5.712	53	274230	115.088	ug/l	97
16) Acetone	4.424	43	266262	104.380	ug/l	98
17) Carbon Disulfide	4.700	76	223663	19.936	ug/l	99
18) Methyl Acetate	5.018	43	120505	23.075	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	295383	21.793	ug/l	98
20) Methylene Chloride	5.265	84	91370	23.430	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	78762	19.442	ug/l	98
22) Diisopropyl ether	6.659	45	306895	22.558	ug/l	95
23) Vinyl Acetate	6.589	43	1414608	115.435	ug/l	99
24) 1,1-Dichloroethane	6.559	63	166720	22.123	ug/l	98
25) 2-Butanone	7.471	43	378924	112.718	ug/l	98
26) 2,2-Dichloropropane	7.477	77	143368	20.935	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	97110	20.823	ug/l	93
28) Bromochloromethane	7.800	49	89712	25.194	ug/l	100
29) Tetrahydrofuran	7.824	42	246891	112.693	ug/l	97
30) Chloroform	7.947	83	165210	21.944	ug/l	99
31) Cyclohexane	8.241	56	151540	21.321	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	144935	21.615	ug/l	95
36) 1,1-Dichloropropene	8.353	75	112263	21.273	ug/l	98
37) Ethyl Acetate	7.547	43	154256	22.651	ug/l	98
38) Carbon Tetrachloride	8.347	117	118077	21.664	ug/l	96
39) Methylcyclohexane	9.583	83	138896	20.477	ug/l	96
40) Benzene	8.588	78	350057	21.781	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088106.D
 Acq On : 27 Oct 2025 12:29
 Operator : JC\MD
 Sample : VN1027WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/28/2025
 Supervised By :Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:23:34 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	77520	21.628	ug/l	97
42) 1,2-Dichloroethane	8.653	62	139879	24.496	ug/l	99
43) Isopropyl Acetate	8.671	43	244736	23.387	ug/l	99
44) Trichloroethene	9.335	130	80145	21.335	ug/l	100
45) 1,2-Dichloropropane	9.600	63	92446	22.785	ug/l	97
46) Dibromomethane	9.688	93	69022	23.852	ug/l	98
47) Bromodichloromethane	9.871	83	134451	23.207	ug/l	98
48) Methyl methacrylate	9.665	41	114540	23.708	ug/l	98
49) 1,4-Dioxane	9.677	88	30609	509.401	ug/l #	93
51) 4-Methyl-2-Pentanone	10.424	43	749132	121.010	ug/l	100
52) Toluene	10.612	92	213928	21.590	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	139103	22.559	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	146812	22.437	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	83503	22.213	ug/l	99
56) Ethyl methacrylate	10.859	69	140931	23.690	ug/l	98
57) 1,3-Dichloropropane	11.141	76	153031	23.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	325457	105.175	ug/l	100
59) 2-Hexanone	11.177	43	497859	121.230	ug/l	97
60) Dibromochloromethane	11.341	129	94099	22.023	ug/l	99
61) 1,2-Dibromoethane	11.447	107	87889	22.717	ug/l	100
64) Tetrachloroethene	11.082	164	68115	21.385	ug/l	97
65) Chlorobenzene	11.871	112	232930	21.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	80083	22.293	ug/l	98
67) Ethyl Benzene	11.941	91	410996	21.354	ug/l	100
68) m/p-Xylenes	12.047	106	304906	42.281	ug/l	100
69) o-Xylene	12.376	106	146136	21.377	ug/l	99
70) Styrene	12.388	104	246549	22.117	ug/l	97
71) Bromoform	12.559	173	60938	22.731	ug/l #	96
73) Isopropylbenzene	12.676	105	384577	20.635	ug/l	100
74) N-amyl acetate	12.606	43	118608m	22.419	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	129987	22.402	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	111389m	20.162	ug/l	
77) Bromobenzene	12.959	156	90382	22.489	ug/l	99
78) n-propylbenzene	13.012	91	477927	21.014	ug/l	100
79) 2-Chlorotoluene	13.106	91	285224	21.990	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	329515	21.289	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	37323	18.845	ug/l	95
82) 4-Chlorotoluene	13.200	91	294217	20.967	ug/l	98
83) tert-Butylbenzene	13.418	119	277442	20.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	328873	21.236	ug/l	99
85) sec-Butylbenzene	13.594	105	417041	20.529	ug/l	99
86) p-Isopropyltoluene	13.706	119	341638	20.964	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	172884	21.549	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	179380	20.817	ug/l	98
89) n-Butylbenzene	14.035	91	337732	20.922	ug/l	99
90) Hexachloroethane	14.306	117	63496	20.120	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	168164	21.745	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	31995	23.691	ug/l	90
93) 1,2,4-Trichlorobenzene	15.370	180	100963	21.556	ug/l	99
94) Hexachlorobutadiene	15.476	225	38434	22.036	ug/l	98
95) Naphthalene	15.612	128	337829	21.055	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	95974	21.371	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Quant Time: Oct 28 01:23:34 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

