

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041825\
 Data File : VN086334.D
 Acq On : 18 Apr 2025 11:09
 Operator : JC\MD
 Sample : VN0418WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

Quant Time: Apr 19 02:20:28 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	8.218	168	184094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132106	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127301	47.687	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.380%
35) Dibromofluoromethane	8.165	113	76525	49.646	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.300%
50) Toluene-d8	10.565	98	393735	47.795	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.847	95	140539	46.772	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45094	20.663	ug/l	99
3) Chloromethane	2.359	50	59470	18.751	ug/l	99
4) Vinyl Chloride	2.518	62	59514	19.664	ug/l	99
5) Bromomethane	2.959	94	31036	22.797	ug/l	97
6) Chloroethane	3.118	64	38601	19.056	ug/l	95
7) Trichlorofluoromethane	3.500	101	70886	21.144	ug/l	98
8) Diethyl Ether	3.959	74	29072	19.864	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	42083	20.750	ug/l	99
10) Methyl Iodide	4.589	142	50028	22.437	ug/l	99
11) Tert butyl alcohol	5.512	59	46359	95.178	ug/l	99
12) 1,1-Dichloroethene	4.341	96	43876	20.250	ug/l	98
13) Acrolein	4.183	56	36583	155.359	ug/l	99
14) Allyl chloride	5.024	41	68784	17.857	ug/l	96
15) Acrylonitrile	5.712	53	116554	96.799	ug/l	100
16) Acetone	4.424	43	109043	115.063	ug/l	97
17) Carbon Disulfide	4.712	76	119270	18.384	ug/l	99
18) Methyl Acetate	5.024	43	57082	17.813	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	156855	19.693	ug/l	99
20) Methylene Chloride	5.271	84	50005	20.262	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	45215	19.960	ug/l	90
22) Diisopropyl ether	6.665	45	158720	18.942	ug/l	97
23) Vinyl Acetate	6.600	43	567696	96.918	ug/l	98
24) 1,1-Dichloroethane	6.565	63	87429	19.775	ug/l	99
25) 2-Butanone	7.477	43	163910	98.643	ug/l	98
26) 2,2-Dichloropropane	7.488	77	80209	20.263	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	56107	19.955	ug/l	98
28) Bromochloromethane	7.812	49	46150	24.619	ug/l	93
29) Tetrahydrofuran	7.835	42	99623	89.657	ug/l	96
30) Chloroform	7.965	83	87804	20.217	ug/l	98
31) Cyclohexane	8.253	56	81595	18.861	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	77018	20.730	ug/l	96
36) 1,1-Dichloropropene	8.371	75	63394	20.591	ug/l	98
37) Ethyl Acetate	7.559	43	61328	18.921	ug/l	100
38) Carbon Tetrachloride	8.359	117	60997	20.804	ug/l	99
39) Methylcyclohexane	9.594	83	76406	20.880	ug/l	98
40) Benzene	8.600	78	203069	20.587	ug/l	99

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41) Methacrylonitrile	7.777	41	34921	18.589	ug/l	95
42) 1,2-Dichloroethane	8.665	62	66351	21.093	ug/l	100
43) Isopropyl Acetate	8.688	43	119925	19.204	ug/l	100
44) Trichloroethene	9.347	130	50097	21.428	ug/l	99
45) 1,2-Dichloropropane	9.618	63	49666	20.569	ug/l	98
46) Dibromomethane	9.706	93	33062	21.491	ug/l	96
47) Bromodichloromethane	9.888	83	69806	21.009	ug/l	99
48) Methyl methacrylate	9.676	41	52845	18.566	ug/l	96
49) 1,4-Dioxane	9.688	88	19125	395.012	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	325457	98.057	ug/l	98
52) Toluene	10.629	92	127971	20.792	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	77631	20.930	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	82538	20.260	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	46225	20.874	ug/l	99
56) Ethyl methacrylate	10.871	69	80028	19.660	ug/l	98
57) 1,3-Dichloropropane	11.159	76	81231	20.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	159422	82.516	ug/l	98
59) 2-Hexanone	11.194	43	245134	99.573	ug/l	100
60) Dibromochloromethane	11.359	129	52077	21.416	ug/l	100
61) 1,2-Dibromoethane	11.465	107	47029	21.047	ug/l	99
64) Tetrachloroethene	11.100	164	49395	21.867	ug/l	97
65) Chlorobenzene	11.888	112	136093	20.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	45425	21.011	ug/l	99
67) Ethyl Benzene	11.959	91	240543	20.340	ug/l	99
68) m/p-Xylenes	12.070	106	182087	41.093	ug/l	98
69) o-Xylene	12.394	106	89396	20.400	ug/l	98
70) Styrene	12.406	104	150535	20.617	ug/l	99
71) Bromoform	12.576	173	33689	20.697	ug/l #	100
73) Isopropylbenzene	12.694	105	223823	20.712	ug/l	100
74) N-amyl acetate	12.488	43	94773	17.616	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	60962	19.620	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	53026m	17.009	ug/l	
77) Bromobenzene	12.976	156	50854	21.238	ug/l	96
78) n-propylbenzene	13.029	91	262582	20.620	ug/l	100
79) 2-Chlorotoluene	13.123	91	161371	20.252	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	183395	20.735	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	25576	19.703	ug/l	94
82) 4-Chlorotoluene	13.217	91	161029	20.344	ug/l	100
83) tert-Butylbenzene	13.435	119	162723	21.232	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	183643	20.397	ug/l	99
85) sec-Butylbenzene	13.611	105	224096	21.081	ug/l	99
86) p-Isopropyltoluene	13.723	119	188051	21.462	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	94560	21.008	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	93456	20.614	ug/l	100
89) n-Butylbenzene	14.053	91	165446	21.303	ug/l	99
90) Hexachloroethane	14.329	117	29509	20.022	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	91319	20.925	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12326	19.674	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	47489	22.725	ug/l	99
94) Hexachlorobutadiene	15.494	225	19157	24.285	ug/l	98
95) Naphthalene	15.635	128	155450	20.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	44050	22.266	ug/l	99

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

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