

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086077.D
 Acq On : 24 Mar 2025 17:13
 Operator : JC\MD
 Sample : VN0324WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2025
 Supervised By : Mahesh Dadoda 03/25/2025

Quant Time: Mar 25 01:27:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	270759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	461280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	206640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172149	46.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.860%		
35) Dibromofluoromethane	8.165	113	144681	44.936	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.880%		
50) Toluene-d8	10.565	98	581461	49.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.847	95	217661	52.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56872	15.854	ug/l	100
3) Chloromethane	2.359	50	57568	18.306	ug/l	96
4) Vinyl Chloride	2.512	62	62634	19.479	ug/l	100
5) Bromomethane	2.953	94	38169	17.427	ug/l	95
6) Chloroethane	3.118	64	38540	19.000	ug/l	95
7) Trichlorofluoromethane	3.500	101	96633	16.718	ug/l	92
8) Diethyl Ether	3.959	74	33885	19.150	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	56886	18.518	ug/l	96
10) Methyl Iodide	4.589	142	74337	18.571	ug/l	95
11) Tert butyl alcohol	5.518	59	42227	80.443	ug/l	98
12) 1,1-Dichloroethene	4.336	96	52793	19.032	ug/l	93
13) Acrolein	4.177	56	53971	96.397	ug/l	94
14) Allyl chloride	5.024	41	68911	19.913	ug/l	93
15) Acrylonitrile	5.718	53	135421	97.682	ug/l	99
16) Acetone	4.424	43	94617	83.531	ug/l	99
17) Carbon Disulfide	4.706	76	147120	16.127	ug/l	99
18) Methyl Acetate	5.024	43	60323	21.525	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	175978	19.360	ug/l	100
20) Methylene Chloride	5.277	84	62720	18.928	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	58647	19.346	ug/l	89
22) Diisopropyl ether	6.671	45	165246	22.408	ug/l	98
23) Vinyl Acetate	6.600	43	561587	100.456	ug/l	99
24) 1,1-Dichloroethane	6.565	63	106252	19.593	ug/l	98
25) 2-Butanone	7.483	43	156266	95.609	ug/l	96
26) 2,2-Dichloropropane	7.488	77	91454	17.517	ug/l	94
27) cis-1,2-Dichloroethene	7.488	96	68400	19.856	ug/l	99
28) Bromochloromethane	7.812	49	47930	20.861	ug/l	95
29) Tetrahydrofuran	7.835	42	107681	106.716	ug/l	96
30) Chloroform	7.965	83	113991	19.017	ug/l	98
31) Cyclohexane	8.253	56	93653	20.272	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	106721	18.809	ug/l	94
36) 1,1-Dichloropropene	8.371	75	79190	18.679	ug/l	98
37) Ethyl Acetate	7.559	43	65513	18.317	ug/l	100
38) Carbon Tetrachloride	8.359	117	93445	16.764	ug/l	96
39) Methylcyclohexane	9.600	83	89930	21.380	ug/l	97
40) Benzene	8.606	78	252741	18.990	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	34727	20.334	ug/l	98
42) 1,2-Dichloroethane	8.671	62	78250	16.874	ug/l	95
43) Isopropyl Acetate	8.682	43	120615	15.562	ug/l	96
44) Trichloroethene	9.347	130	62903	18.236	ug/l	97
45) 1,2-Dichloropropane	9.618	63	62474	20.639	ug/l	97
46) Dibromomethane	9.706	93	42564	17.880	ug/l	96
47) Bromodichloromethane	9.882	83	90994	18.289	ug/l	98
48) Methyl methacrylate	9.677	41	52409	20.492	ug/l	97
49) 1,4-Dioxane	9.694	88	22674	375.030	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	358658	104.929	ug/l	97
52) Toluene	10.629	92	167806	20.544	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	94674	19.594	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	100807	19.774	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	64761	20.772	ug/l	100
56) Ethyl methacrylate	10.871	69	99180	22.943	ug/l	95
57) 1,3-Dichloropropane	11.159	76	108208	20.435	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	178650	109.859	ug/l	98
59) 2-Hexanone	11.194	43	265881	106.777	ug/l	97
60) Dibromochloromethane	11.353	129	72557	18.036	ug/l	95
61) 1,2-Dibromoethane	11.465	107	63450	19.824	ug/l	99
64) Tetrachloroethene	11.100	164	62476	18.067	ug/l	99
65) Chlorobenzene	11.888	112	184681	18.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	68245	18.507	ug/l	98
67) Ethyl Benzene	11.959	91	324719	20.464	ug/l	99
68) m/p-Xylenes	12.071	106	250152	40.110	ug/l	98
69) o-Xylene	12.394	106	125479	21.921	ug/l	98
70) Styrene	12.412	104	204422	20.908	ug/l	97
71) Bromoform	12.576	173	54015	17.523	ug/l #	95
73) Isopropylbenzene	12.694	105	317837	22.524	ug/l	99
74) N-amyl acetate	12.488	43	107676	22.807	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	88942	18.631	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	82660m	17.868	ug/l	
77) Bromobenzene	12.976	156	74397	18.908	ug/l	96
78) n-propylbenzene	13.035	91	352210	22.042	ug/l	87
79) 2-Chlorotoluene	13.123	91	219093	20.643	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	251124	21.078	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	30877	17.646	ug/l	96
82) 4-Chlorotoluene	13.217	91	215916	19.783	ug/l	97
83) tert-Butylbenzene	13.435	119	221939	21.781	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	268386	22.335	ug/l	98
85) sec-Butylbenzene	13.612	105	299817	22.555	ug/l	98
86) p-Isopropyltoluene	13.723	119	254501	22.618	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	136271	19.214	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	133031	17.852	ug/l	97
89) n-Butylbenzene	14.053	91	209211	22.832	ug/l	98
90) Hexachloroethane	14.329	117	43995	16.945	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	135623	19.236	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17875	18.757	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	71857	20.269	ug/l	95
94) Hexachlorobutadiene	15.500	225	34204	16.630	ug/l	99
95) Naphthalene	15.635	128	254459	24.788	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	71641	21.297	ug/l	99

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

