

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086635.D
 Acq On : 15 May 2025 11:10
 Operator : JC\MD
 Sample : VN0515WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2025
 Supervised By : Mahesh Dadoda 05/16/2025

Quant Time: May 16 05:23:03 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	227754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	398450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136397	41.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.600%		
35) Dibromofluoromethane	8.165	113	110266	59.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	119.260%		
50) Toluene-d8	10.565	98	435176	44.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.060%		
62) 4-Bromofluorobenzene	12.847	95	162108	44.969	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	50144	18.573	ug/l	99
3) Chloromethane	2.359	50	62654	15.968	ug/l	98
4) Vinyl Chloride	2.512	62	58626	15.657	ug/l	98
5) Bromomethane	2.959	94	34736	20.624	ug/l	95
6) Chloroethane	3.118	64	37677	15.035	ug/l	96
7) Trichlorofluoromethane	3.500	101	76342	18.406	ug/l	94
8) Diethyl Ether	3.959	74	32151	17.756	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.365	101	46317	18.460	ug/l	96
10) Methyl Iodide	4.589	142	55044	19.954	ug/l	94
11) Tert butyl alcohol	5.518	59	51026	84.677	ug/l	99
12) 1,1-Dichloroethene	4.342	96	45879	17.115	ug/l	97
13) Acrolein	4.183	56	29560	95.900	ug/l	96
14) Allyl chloride	5.018	41	64715	13.580	ug/l	97
15) Acrylonitrile	5.712	53	126021	84.598	ug/l	100
16) Acetone	4.424	43	97903	81.903	ug/l	94
17) Carbon Disulfide	4.712	76	121029	15.079	ug/l	96
18) Methyl Acetate	5.018	43	58556	14.770	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	168113	17.061	ug/l	98
20) Methylene Chloride	5.271	84	54393	17.815	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	48772	17.403	ug/l	92
22) Diisopropyl ether	6.665	45	159307	15.368	ug/l	95
23) Vinyl Acetate	6.600	43	587039	81.009	ug/l	96
24) 1,1-Dichloroethane	6.565	63	90860	16.612	ug/l	98
25) 2-Butanone	7.482	43	159707	77.689	ug/l	97
26) 2,2-Dichloropropane	7.488	77	81603	16.663	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	61357	17.639	ug/l	92
28) Bromochloromethane	7.812	49	37123	16.007	ug/l	84
29) Tetrahydrofuran	7.835	42	105926	77.055	ug/l	93
30) Chloroform	7.965	83	94180	17.528	ug/l	97
31) Cyclohexane	8.253	56	79101	14.779	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	80940	17.610	ug/l	93
36) 1,1-Dichloropropene	8.371	75	66116	17.900	ug/l	98
37) Ethyl Acetate	7.559	43	64867	16.681	ug/l	98
38) Carbon Tetrachloride	8.359	117	67756	19.263	ug/l	99
39) Methylcyclohexane	9.600	83	72523	16.519	ug/l	95
40) Benzene	8.606	78	215859	18.240	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	34905	15.488	ug/l	93
42) 1,2-Dichloroethane	8.665	62	70892	18.785	ug/l	99
43) Isopropyl Acetate	8.688	43	120235	15.706	ug/l	98
44) Trichloroethene	9.347	130	55894	19.927	ug/l	89
45) 1,2-Dichloropropane	9.618	63	51098	17.640	ug/l	99
46) Dibromomethane	9.706	93	36948	20.019	ug/l	94
47) Bromodichloromethane	9.882	83	73579	18.458	ug/l	99
48) Methyl methacrylate	9.676	41	52420	15.351	ug/l	93
49) 1,4-Dioxane	9.694	88	22043	379.489	ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	332030	83.384	ug/l	96
52) Toluene	10.629	92	137189	18.579	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	79911	17.958	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	85951	17.586	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	51083	19.228	ug/l	98
56) Ethyl methacrylate	10.871	69	84157	17.233	ug/l	94
57) 1,3-Dichloropropane	11.159	76	87038	18.465	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	179889	77.609	ug/l	96
59) 2-Hexanone	11.194	43	241108	81.634	ug/l	96
60) Dibromochloromethane	11.359	129	57262	19.628	ug/l	100
61) 1,2-Dibromoethane	11.465	107	52974	19.761	ug/l	99
64) Tetrachloroethene	11.100	164	57234	20.944	ug/l	96
65) Chlorobenzene	11.888	112	154809	19.526	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50413	19.275	ug/l	98
67) Ethyl Benzene	11.959	91	259872	18.164	ug/l	97
68) m/p-Xylenes	12.065	106	203667	37.993	ug/l	94
69) o-Xylene	12.394	106	98919	18.659	ug/l	97
70) Styrene	12.406	104	163392	18.497	ug/l	99
71) Bromoform	12.576	173	37637	19.113	ug/l #	100
73) Isopropylbenzene	12.694	105	237398	17.440	ug/l	98
74) N-amyl acetate	12.488	43	95818	14.139	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	69994	17.883	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	60453m	15.394	ug/l	
77) Bromobenzene	12.976	156	60786	20.153	ug/l	88
78) n-propylbenzene	13.035	91	272599	16.994	ug/l	98
79) 2-Chlorotoluene	13.123	91	176744	17.609	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	193623	17.379	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	26454	16.178	ug/l	98
82) 4-Chlorotoluene	13.217	91	175741	17.626	ug/l	98
83) tert-Butylbenzene	13.435	119	168689	17.474	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	198866	17.535	ug/l	99
85) sec-Butylbenzene	13.612	105	230858	17.240	ug/l	98
86) p-Isopropyltoluene	13.723	119	194519	17.624	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	106134	18.719	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	108161	18.939	ug/l	99
89) n-Butylbenzene	14.053	91	160581	16.414	ug/l	98
90) Hexachloroethane	14.329	117	30653	16.511	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	103979	18.915	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	12575	15.934	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	49753	18.901	ug/l	97
94) Hexachlorobutadiene	15.500	225	20105	20.233	ug/l	97
95) Naphthalene	15.635	128	161018	17.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	46051	18.479	ug/l	99

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

