

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087105.D
 Acq On : 19 Jun 2025 12:56
 Operator : JC\MD
 Sample : VN0619WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 01:22:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	156502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	280398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104317	49.784	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
35) Dibromofluoromethane	8.171	113	89854	54.073	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.140%		
50) Toluene-d8	10.565	98	329809	50.136	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.847	95	124425	50.910	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	31378	20.109	ug/l	97
3) Chloromethane	2.395	50	34051	16.899	ug/l	96
4) Vinyl Chloride	2.554	62	41795	20.107	ug/l	99
5) Bromomethane	2.995	94	22472	19.319	ug/l	95
6) Chloroethane	3.159	64	26845	19.994	ug/l	93
7) Trichlorofluoromethane	3.530	101	53716	19.779	ug/l	99
8) Diethyl Ether	3.983	74	23075	19.501	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	34405	20.165	ug/l	99
10) Methyl Iodide	4.612	142	24125	10.907	ug/l	98
11) Tert butyl alcohol	5.542	59	50376	88.602	ug/l	98
12) 1,1-Dichloroethene	4.365	96	34380	19.737	ug/l	93
13) Acrolein	4.201	56	14158	78.669	ug/l	98
14) Allyl chloride	5.053	41	49808	17.241	ug/l	97
15) Acrylonitrile	5.736	53	125030	94.083	ug/l	99
16) Acetone	4.448	43	100998	90.891	ug/l	95
17) Carbon Disulfide	4.736	76	97905	20.319	ug/l	97
18) Methyl Acetate	5.048	43	53029	16.376	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	118085	18.723	ug/l	97
20) Methylene Chloride	5.295	84	39851	19.156	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	37142	19.165	ug/l	89
22) Diisopropyl ether	6.689	45	111516	18.313	ug/l	98
23) Vinyl Acetate	6.618	43	487932	94.837	ug/l	97
24) 1,1-Dichloroethane	6.589	63	66786	19.058	ug/l	98
25) 2-Butanone	7.494	43	156048	86.395	ug/l	97
26) 2,2-Dichloropropane	7.500	77	57217	20.990	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	44747	19.306	ug/l	98
28) Bromochloromethane	7.824	49	30290	17.580	ug/l	94
29) Tetrahydrofuran	7.847	42	103954	88.349	ug/l	97
30) Chloroform	7.971	83	68555	19.589	ug/l	92
31) Cyclohexane	8.265	56	59848	17.610	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	57008	19.152	ug/l	93
36) 1,1-Dichloropropene	8.377	75	48536	19.602	ug/l	96
37) Ethyl Acetate	7.571	43	60547	19.209	ug/l	99
38) Carbon Tetrachloride	8.371	117	48001	19.746	ug/l	92
39) Methylcyclohexane	9.606	83	55963	16.497	ug/l	99
40) Benzene	8.612	78	158023	19.516	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	32801	18.529	ug/l	97
42) 1,2-Dichloroethane	8.677	62	48636	19.804	ug/l	100
43) Isopropyl Acetate	8.694	43	91276	18.042	ug/l	98
44) Trichloroethene	9.353	130	38235	19.915	ug/l	94
45) 1,2-Dichloropropane	9.624	63	38989	19.793	ug/l	99
46) Dibromomethane	9.712	93	26641	20.361	ug/l	98
47) Bromodichloromethane	9.894	83	53533	19.886	ug/l	97
48) Methyl methacrylate	9.683	41	40660	17.462	ug/l	97
49) 1,4-Dioxane	9.706	88	17077	403.129	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	282388	92.719	ug/l	99
52) Toluene	10.630	92	97582	19.720	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	59590	19.796	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	64579	20.050	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	38600	20.273	ug/l	97
56) Ethyl methacrylate	10.882	69	55356	18.254	ug/l	99
57) 1,3-Dichloropropane	11.165	76	65598	19.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	170045	94.010	ug/l	99
59) 2-Hexanone	11.206	43	158402	80.743	ug/l	95
60) Dibromochloromethane	11.359	129	40977	20.656	ug/l	99
61) 1,2-Dibromoethane	11.471	107	38968	19.967	ug/l	99
64) Tetrachloroethene	11.106	164	29572	18.630	ug/l	96
65) Chlorobenzene	11.888	112	107725	19.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	35515	19.973	ug/l	97
67) Ethyl Benzene	11.965	91	175778	18.448	ug/l	99
68) m/p-Xylenes	12.071	106	139244	38.176	ug/l	98
69) o-Xylene	12.394	106	65997	18.892	ug/l	96
70) Styrene	12.412	104	113231	18.942	ug/l	99
71) Bromoform	12.582	173	26740	20.296	ug/l #	99
73) Isopropylbenzene	12.694	105	162855	17.700	ug/l	100
74) N-amyl acetate	12.535	43	55477m	17.255	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	61618	19.768	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	60596m	20.184	ug/l	
77) Bromobenzene	12.976	156	40932	19.398	ug/l	99
78) n-propylbenzene	13.035	91	196468	17.571	ug/l	100
79) 2-Chlorotoluene	13.123	91	119747	17.857	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	135300	17.811	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22301	17.100	ug/l	94
82) 4-Chlorotoluene	13.218	91	123967	18.271	ug/l	99
83) tert-Butylbenzene	13.435	119	111716	16.066	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	134392	17.642	ug/l	98
85) sec-Butylbenzene	13.612	105	162647	16.106	ug/l	98
86) p-Isopropyltoluene	13.729	119	136862	16.396	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	78738	18.966	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	82218	19.425	ug/l	99
89) n-Butylbenzene	14.053	91	122608	15.164	ug/l	99
90) Hexachloroethane	14.335	117	24681	17.443	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	74610	18.706	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13513	18.127	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	41751	16.392	ug/l	100
94) Hexachlorobutadiene	15.500	225	13315	14.032	ug/l	99
95) Naphthalene	15.641	128	160678	16.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40193	15.883	ug/l	100

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

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