

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086292.D
 Acq On : 16 Apr 2025 13:14
 Operator : JC\MD
 Sample : VN0416WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

Quant Time: Apr 17 03:06:31 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	8.224	168	223172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	407332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	173008	53.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.920%			
35) Dibromofluoromethane	8.165	113	105236	55.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.340%			
50) Toluene-d8	10.565	98	551979	54.632	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.260%			
62) 4-Bromofluorobenzene	12.847	95	197374	53.558	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	54889	20.748	ug/l	98
3) Chloromethane	2.359	50	73640	19.153	ug/l	99
4) Vinyl Chloride	2.512	62	72012	19.627	ug/l	99
5) Bromomethane	2.959	94	35852	21.723	ug/l	99
6) Chloroethane	3.124	64	46393	18.893	ug/l	99
7) Trichlorofluoromethane	3.501	101	80825	19.887	ug/l	95
8) Diethyl Ether	3.959	74	34233	19.294	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48530	19.739	ug/l	98
10) Methyl Iodide	4.589	142	59815	22.129	ug/l	98
11) Tert butyl alcohol	5.506	59	61056	103.402	ug/l	99
12) 1,1-Dichloroethene	4.342	96	50790	19.336	ug/l	97
13) Acrolein	4.177	56	37096	127.326	ug/l	97
14) Allyl chloride	5.024	41	85613	18.335	ug/l	98
15) Acrylonitrile	5.718	53	144663	99.107	ug/l	99
16) Acetone	4.424	43	122285	106.004	ug/l	98
17) Carbon Disulfide	4.712	76	143642	18.263	ug/l	100
18) Methyl Acetate	5.024	43	71275	18.348	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	185776	19.240	ug/l	98
20) Methylene Chloride	5.277	84	58313	19.491	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	53284	19.403	ug/l	94
22) Diisopropyl ether	6.671	45	190187	18.723	ug/l	98
23) Vinyl Acetate	6.600	43	679753	95.728	ug/l	99
24) 1,1-Dichloroethane	6.571	63	102692	19.160	ug/l	99
25) 2-Butanone	7.477	43	197426	98.009	ug/l	99
26) 2,2-Dichloropropane	7.488	77	94224	19.635	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	65425	19.195	ug/l	99
28) Bromochloromethane	7.812	49	50709	22.314	ug/l	97
29) Tetrahydrofuran	7.835	42	128288	95.239	ug/l	99
30) Chloroform	7.965	83	101723	19.321	ug/l	99
31) Cyclohexane	8.253	56	100612	19.184	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	88042	19.548	ug/l	97
36) 1,1-Dichloropropene	8.371	75	74728	19.791	ug/l	100
37) Ethyl Acetate	7.559	43	78235	19.680	ug/l	98
38) Carbon Tetrachloride	8.359	117	71510	19.887	ug/l	99
39) Methylcyclohexane	9.600	83	88385	19.693	ug/l	98
40) Benzene	8.606	78	239253	19.776	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	46759	20.295	ug/l	98
42) 1,2-Dichloroethane	8.665	62	76607	19.857	ug/l	100
43) Isopropyl Acetate	8.682	43	152965	20.057	ug/l	98
44) Trichloroethene	9.347	130	57388	20.014	ug/l	96
45) 1,2-Dichloropropane	9.618	63	58148	19.636	ug/l	99
46) Dibromomethane	9.706	93	38369	20.335	ug/l	99
47) Bromodichloromethane	9.882	83	80669	19.795	ug/l	96
48) Methyl methacrylate	9.677	41	65898	18.877	ug/l	98
49) 1,4-Dioxane	9.694	88	24101	405.872	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	407802	100.180	ug/l	99
52) Toluene	10.629	92	149726	19.835	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	90396	19.871	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	97983	19.610	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	53405	19.663	ug/l	95
56) Ethyl methacrylate	10.871	69	97183	19.466	ug/l	99
57) 1,3-Dichloropropane	11.159	76	95407	19.799	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	238231	100.539	ug/l	100
59) 2-Hexanone	11.188	43	301404	99.823	ug/l	99
60) Dibromochloromethane	11.353	129	59988	20.114	ug/l	100
61) 1,2-Dibromoethane	11.465	107	55491	20.249	ug/l	99
64) Tetrachloroethene	11.100	164	56794	20.560	ug/l	95
65) Chlorobenzene	11.888	112	158263	19.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	50996	19.288	ug/l	96
67) Ethyl Benzene	11.959	91	287125	19.853	ug/l	100
68) m/p-Xylenes	12.065	106	215908	39.843	ug/l	99
69) o-Xylene	12.394	106	106641	19.899	ug/l	100
70) Styrene	12.406	104	178378	19.977	ug/l	100
71) Bromoform	12.576	173	40361	20.276	ug/l #	97
73) Isopropylbenzene	12.694	105	262970	19.972	ug/l	100
74) N-amyl acetate	12.488	43	120719	18.417	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	74922	19.790	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	72842m	19.177	ug/l	
77) Bromobenzene	12.976	156	59625	20.438	ug/l	99
78) n-propylbenzene	13.029	91	310295	19.999	ug/l	100
79) 2-Chlorotoluene	13.123	91	193887	19.971	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	215520	19.999	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	35468	22.426	ug/l	92
82) 4-Chlorotoluene	13.217	91	194326	20.150	ug/l	99
83) tert-Butylbenzene	13.435	119	184001	19.705	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	219543	20.014	ug/l	99
85) sec-Butylbenzene	13.612	105	259844	20.062	ug/l	99
86) p-Isopropyltoluene	13.723	119	213950	20.041	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	110278	20.108	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	109730	19.865	ug/l	99
89) n-Butylbenzene	14.053	91	186077	19.664	ug/l	99
90) Hexachloroethane	14.329	117	34980	19.480	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	108953	20.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15775	20.666	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	51282	20.142	ug/l	100
94) Hexachlorobutadiene	15.494	225	19936	20.743	ug/l	98
95) Naphthalene	15.635	128	179516	19.890	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	47677	19.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

