

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123124\
 Data File : VN085363.D
 Acq On : 31 Dec 2024 10:43
 Operator : JC\MD
 Sample : VN1231WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1231WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/02/2025
 Supervised By : Mahesh Dadoda 01/02/2025

Quant Time: Jan 01 02:02:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	153712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112913	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119292	54.412	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.820%
35) Dibromofluoromethane	8.165	113	90404	53.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.420%
50) Toluene-d8	10.565	98	330923	53.079	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.160%
62) 4-Bromofluorobenzene	12.847	95	110458	53.348	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45805	22.034	ug/l	98
3) Chloromethane	2.359	50	45436	19.446	ug/l	99
4) Vinyl Chloride	2.512	62	46368	18.765	ug/l	96
5) Bromomethane	2.959	94	28054	17.360	ug/l	100
6) Chloroethane	3.118	64	29417	18.772	ug/l	99
7) Trichlorofluoromethane	3.494	101	64018	19.709	ug/l	95
8) Diethyl Ether	3.959	74	21494	19.985	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	36345	19.664	ug/l	96
10) Methyl Iodide	4.594	142	41355	19.335	ug/l	99
11) Tert butyl alcohol	5.518	59	31009	112.953	ug/l	100
12) 1,1-Dichloroethene	4.341	96	32427	18.984	ug/l	93
13) Acrolein	4.177	56	44713	104.467	ug/l	99
14) Allyl chloride	5.024	41	51067m	18.680	ug/l	
15) Acrylonitrile	5.718	53	95919	111.011	ug/l	99
16) Acetone	4.424	43	83492	115.815	ug/l	98
17) Carbon Disulfide	4.706	76	93443	17.982	ug/l	100
18) Methyl Acetate	5.024	43	51133	23.167	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	110003	19.813	ug/l	94
20) Methylene Chloride	5.271	84	40241	20.753	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	34881	19.548	ug/l	98
22) Diisopropyl ether	6.671	45	125766	21.348	ug/l	96
23) Vinyl Acetate	6.600	43	447900	105.098	ug/l	100
24) 1,1-Dichloroethane	6.565	63	72764	20.504	ug/l	99
25) 2-Butanone	7.482	43	127999	114.446	ug/l	98
26) 2,2-Dichloropropane	7.482	77	62621	20.141	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	42527	20.306	ug/l	99
28) Bromochloromethane	7.812	49	32285	19.577	ug/l #	100
29) Tetrahydrofuran	7.835	42	85750	119.026	ug/l	97
30) Chloroform	7.965	83	73595	20.271	ug/l	100
31) Cyclohexane	8.253	56	60571	18.692	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	64040	19.751	ug/l	93
36) 1,1-Dichloropropene	8.365	75	49583	19.932	ug/l	99
37) Ethyl Acetate	7.559	43	57905	23.419	ug/l	98
38) Carbon Tetrachloride	8.359	117	57297	21.131	ug/l	95
39) Methylcyclohexane	9.600	83	47483	18.397	ug/l	92
40) Benzene	8.606	78	156645	20.828	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	29360	23.186	ug/l	95
42) 1,2-Dichloroethane	8.665	62	57334	21.262	ug/l	100
43) Isopropyl Acetate	8.688	43	89915	22.086	ug/l	98
44) Trichloroethene	9.347	130	35480	19.926	ug/l	99
45) 1,2-Dichloropropane	9.618	63	39367	20.619	ug/l	100
46) Dibromomethane	9.706	93	27310	20.567	ug/l	99
47) Bromodichloromethane	9.888	83	58672	21.259	ug/l	93
48) Methyl methacrylate	9.676	41	39129	22.150	ug/l	97
49) 1,4-Dioxane	9.694	88	14286	535.986	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	275397	120.371	ug/l	98
52) Toluene	10.629	92	92881	20.740	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	55744	20.539	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	60439	20.594	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	36941	21.849	ug/l	97
56) Ethyl methacrylate	10.870	69	52919	21.490	ug/l	96
57) 1,3-Dichloropropane	11.159	76	64001	21.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	112459	94.395	ug/l	97
59) 2-Hexanone	11.194	43	198564	125.091	ug/l	97
60) Dibromochloromethane	11.359	129	44192	23.206	ug/l	95
61) 1,2-Dibromoethane	11.465	107	35544	21.249	ug/l	100
64) Tetrachloroethene	11.100	164	29544	19.086	ug/l	96
65) Chlorobenzene	11.888	112	102311	19.380	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35892	20.257	ug/l	99
67) Ethyl Benzene	11.965	91	168477	19.190	ug/l	98
68) m/p-Xylenes	12.070	106	131145	40.817	ug/l	99
69) o-Xylene	12.394	106	59869	19.262	ug/l	96
70) Styrene	12.412	104	103920	20.630	ug/l	98
71) Bromoform	12.576	173	26704	21.760	ug/l #	100
73) Isopropylbenzene	12.694	105	153217	18.870	ug/l	98
74) N-amyl acetate	12.494	43	74329	21.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	54347	21.016	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	44593m	21.149	ug/l	
77) Bromobenzene	12.976	156	38717	19.246	ug/l	98
78) n-propylbenzene	13.035	91	188471	19.913	ug/l	99
79) 2-Chlorotoluene	13.123	91	115852	19.449	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	130558	19.879	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	18141	20.604	ug/l	90
82) 4-Chlorotoluene	13.217	91	116607	19.437	ug/l	100
83) tert-Butylbenzene	13.435	119	104961	18.449	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	131136	20.052	ug/l	99
85) sec-Butylbenzene	13.611	105	150192	19.019	ug/l	99
86) p-Isopropyltoluene	13.729	119	125013	18.500	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	69151	18.962	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	69581	18.575	ug/l	99
89) n-Butylbenzene	14.053	91	101273	17.513	ug/l	98
90) Hexachloroethane	14.329	117	26186	20.230	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	65868	18.960	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9392	20.406	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	29703	17.132	ug/l	98
94) Hexachlorobutadiene	15.500	225	14447	16.770	ug/l	97
95) Naphthalene	15.641	128	89746	15.265	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	29528	17.045	ug/l	99

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

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

