

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020525\
 Data File : VN085670.D
 Acq On : 05 Feb 2025 12:23
 Operator : JC\MD
 Sample : VN0205WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2025
 Supervised By : Mahesh Dadoda 02/07/2025

Quant Time: Feb 06 00:38:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	240036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	410471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	359771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	185109	47.774	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.540%		
35) Dibromofluoromethane	8.165	113	157451	55.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.580%		
50) Toluene-d8	10.565	98	577376	57.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	114.140%#		
62) 4-Bromofluorobenzene	12.847	95	193977	56.046	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	112.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77021	23.699	ug/l	97
3) Chloromethane	2.359	50	66656	18.942	ug/l	100
4) Vinyl Chloride	2.518	62	80712	22.820	ug/l	97
5) Bromomethane	2.965	94	51719	24.208	ug/l	97
6) Chloroethane	3.124	64	48257	21.520	ug/l	100
7) Trichlorofluoromethane	3.501	101	105129	20.485	ug/l	96
8) Diethyl Ether	3.959	74	34031	19.195	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.377	101	62774	21.717	ug/l	98
10) Methyl Iodide	4.589	142	78682	23.769	ug/l	98
11) Tert butyl alcohol	5.518	59	37575	84.690	ug/l	100
12) 1,1-Dichloroethene	4.342	96	56475	21.922	ug/l	89
13) Acrolein	4.183	56	27649	45.651	ug/l	99
14) Allyl chloride	5.030	41	68221	16.320	ug/l #	94
15) Acrylonitrile	5.712	53	123137	87.377	ug/l	99
16) Acetone	4.424	43	100882	80.580	ug/l	93
17) Carbon Disulfide	4.712	76	167970	21.177	ug/l #	95
18) Methyl Acetate	5.024	43	59734	15.691	ug/l #	89
19) Methyl tert-butyl Ether	5.789	73	171099	20.454	ug/l	100
20) Methylene Chloride	5.277	84	63776	20.578	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	59663	21.671	ug/l	92
22) Diisopropyl ether	6.671	45	167167	18.017	ug/l	97
23) Vinyl Acetate	6.600	43	587466	90.473	ug/l	95
24) 1,1-Dichloroethane	6.565	63	108738	19.220	ug/l	98
25) 2-Butanone	7.477	43	151049	81.987	ug/l	91
26) 2,2-Dichloropropane	7.488	77	97850	21.392	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	70676	21.795	ug/l	90
28) Bromochloromethane	7.806	49	38301	14.551	ug/l #	84
29) Tetrahydrofuran	7.836	42	101086	86.542	ug/l	89
30) Chloroform	7.959	83	111885	19.135	ug/l	100
31) Cyclohexane	8.253	56	94870	19.293	ug/l #	90
32) 1,1,1-Trichloroethane	8.165	97	103207	20.122	ug/l	93
36) 1,1-Dichloropropene	8.365	75	82112	20.545	ug/l	99
37) Ethyl Acetate	7.553	43	64797	16.063	ug/l #	94
38) Carbon Tetrachloride	8.359	117	91901	20.086	ug/l	97
39) Methylcyclohexane	9.600	83	83019	22.105	ug/l	95
40) Benzene	8.600	78	254842	21.222	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33716	16.065	ug/l	90
42) 1,2-Dichloroethane	8.665	62	81634	18.049	ug/l	98
43) Isopropyl Acetate	8.683	43	112796	17.450	ug/l	95
44) Trichloroethene	9.347	130	61005	21.824	ug/l	100
45) 1,2-Dichloropropane	9.618	63	60388	19.688	ug/l	96
46) Dibromomethane	9.706	93	43437	19.626	ug/l	97
47) Bromodichloromethane	9.882	83	89049	19.749	ug/l	100
48) Methyl methacrylate	9.677	41	48974	16.836	ug/l	87
49) 1,4-Dioxane	9.688	88	17270	352.553	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	324686	86.562	ug/l	95
52) Toluene	10.629	92	156364	22.472	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	86707	20.348	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	94993	20.870	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	57876	21.018	ug/l	97
56) Ethyl methacrylate	10.871	69	80678	18.652	ug/l	90
57) 1,3-Dichloropropane	11.159	76	97119	20.284	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	102750	58.801	ug/l	96
59) 2-Hexanone	11.194	43	228317	86.508	ug/l	91
60) Dibromochloromethane	11.353	129	69325	20.853	ug/l	98
61) 1,2-Dibromoethane	11.465	107	55881	20.387	ug/l	99
64) Tetrachloroethene	11.100	164	56446	23.014	ug/l	98
65) Chlorobenzene	11.888	112	169728	21.535	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	59123	20.439	ug/l	99
67) Ethyl Benzene	11.959	91	282676	22.021	ug/l	97
68) m/p-Xylenes	12.065	106	220977	46.578	ug/l	96
69) o-Xylene	12.394	106	104039	22.947	ug/l	95
70) Styrene	12.406	104	173992	23.188	ug/l	97
71) Bromoform	12.576	173	43430	20.983	ug/l #	100
73) Isopropylbenzene	12.694	105	258421	22.016	ug/l	100
74) N-amyl acetate	12.488	43	91186	17.284	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	79196	19.101	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	70733m	20.010	ug/l	
77) Bromobenzene	12.976	156	64716	21.103	ug/l	91
78) n-propylbenzene	13.029	91	303326	21.829	ug/l	98
79) 2-Chlorotoluene	13.123	91	187008	20.794	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	215002	22.175	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	26132m	20.001	ug/l	
82) 4-Chlorotoluene	13.218	91	189269	21.137	ug/l	96
83) tert-Butylbenzene	13.435	119	175926	21.607	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	217418	22.499	ug/l	97
85) sec-Butylbenzene	13.612	105	252270	22.355	ug/l	100
86) p-Isopropyltoluene	13.723	119	207627	21.959	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	117964	20.887	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	116944	19.977	ug/l	100
89) n-Butylbenzene	14.053	91	171576	21.194	ug/l	99
90) Hexachloroethane	14.329	117	40121	18.676	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	111801	19.846	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12688	16.758	ug/l	87
93) 1,2,4-Trichlorobenzene	15.388	180	52841	20.182	ug/l	98
94) Hexachlorobutadiene	15.494	225	26518	19.077	ug/l	97
95) Naphthalene	15.635	128	146471	18.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	50135	18.924	ug/l	99

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

