

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
 Data File : VN085721.D
 Acq On : 10 Feb 2025 14:12
 Operator : JC\MD
 Sample : VN0210WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:20:50 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	8.224	168	320498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	543900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	477598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	203246	39.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.580%		
35) Dibromofluoromethane	8.165	113	167990	44.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.040%		
50) Toluene-d8	10.565	98	597282	44.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.100%		
62) 4-Bromofluorobenzene	12.847	95	213760	46.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	88331	20.355	ug/l	99
3) Chloromethane	2.359	50	83326	17.735	ug/l	98
4) Vinyl Chloride	2.512	62	88754	18.794	ug/l	99
5) Bromomethane	2.959	94	52768	18.498	ug/l	98
6) Chloroethane	3.124	64	53912	18.006	ug/l	97
7) Trichlorofluoromethane	3.501	101	123240	17.985	ug/l	97
8) Diethyl Ether	3.959	74	40137	16.955	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	72118	18.686	ug/l	97
10) Methyl Iodide	4.589	142	87760	19.856	ug/l	99
11) Tert butyl alcohol	5.518	59	51371	86.717	ug/l	99
12) 1,1-Dichloroethene	4.336	96	65001	18.897	ug/l	90
13) Acrolein	4.177	56	40936	50.621	ug/l	97
14) Allyl chloride	5.018	41	85957	15.400	ug/l	96
15) Acrylonitrile	5.718	53	155679	82.735	ug/l	99
16) Acetone	4.424	43	131435	78.628	ug/l	94
17) Carbon Disulfide	4.712	76	190875	18.023	ug/l #	94
18) Methyl Acetate	5.024	43	79755	15.690	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	200083	17.914	ug/l	97
20) Methylene Chloride	5.277	84	75264	18.188	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	68149	18.539	ug/l	96
22) Diisopropyl ether	6.665	45	202767	16.367	ug/l	96
23) Vinyl Acetate	6.600	43	709850	81.875	ug/l	96
24) 1,1-Dichloroethane	6.565	63	130079	17.220	ug/l	98
25) 2-Butanone	7.477	43	192994	78.456	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	116035	18.999	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	77257	17.843	ug/l	96
28) Bromochloromethane	7.812	49	57336	16.315	ug/l	89
29) Tetrahydrofuran	7.836	42	126475	81.095	ug/l	91
30) Chloroform	7.965	83	135647	17.374	ug/l	97
31) Cyclohexane	8.253	56	108881	16.583	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	119557	17.458	ug/l	95
36) 1,1-Dichloropropene	8.371	75	93549	17.665	ug/l	98
37) Ethyl Acetate	7.559	43	79822	14.933	ug/l	96
38) Carbon Tetrachloride	8.359	117	109315	18.030	ug/l	98
39) Methylcyclohexane	9.600	83	91915	18.470	ug/l	98
40) Benzene	8.606	78	290473	18.255	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	43060	15.484	ug/l	93
42) 1,2-Dichloroethane	8.665	62	98683	16.466	ug/l	97
43) Isopropyl Acetate	8.683	43	145019	16.931	ug/l	99
44) Trichloroethene	9.347	130	68649	18.534	ug/l	97
45) 1,2-Dichloropropane	9.618	63	69815	17.177	ug/l	100
46) Dibromomethane	9.706	93	50778	17.314	ug/l	96
47) Bromodichloromethane	9.882	83	105660	17.684	ug/l	100
48) Methyl methacrylate	9.677	41	61288	15.900	ug/l	93
49) 1,4-Dioxane	9.688	88	23751	365.912	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	404517	81.388	ug/l	95
52) Toluene	10.624	92	179258	19.443	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	101058	17.898	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	110376	18.301	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	66822	18.314	ug/l	96
56) Ethyl methacrylate	10.871	69	94038	16.640	ug/l	89
57) 1,3-Dichloropropane	11.159	76	113364	17.868	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	200212	86.468	ug/l	97
59) 2-Hexanone	11.194	43	287586	82.233	ug/l	93
60) Dibromochloromethane	11.359	129	79667	18.085	ug/l	100
61) 1,2-Dibromoethane	11.471	107	66280	18.249	ug/l	99
64) Tetrachloroethene	11.100	164	64003	19.657	ug/l	99
65) Chlorobenzene	11.888	112	194870	18.625	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	68857	17.932	ug/l	98
67) Ethyl Benzene	11.959	91	319020	18.721	ug/l	98
68) m/p-Xylenes	12.071	106	251837	39.987	ug/l	97
69) o-Xylene	12.394	106	115933	19.262	ug/l	98
70) Styrene	12.406	104	196059	19.683	ug/l	98
71) Bromoform	12.576	173	52382	19.065	ug/l #	99
73) Isopropylbenzene	12.694	105	292203	18.593	ug/l	99
74) N-amyl acetate	12.494	43	109562	15.510	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	93715	16.881	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	87763m	18.544	ug/l	
77) Bromobenzene	12.976	156	74162	18.062	ug/l	96
78) n-propylbenzene	13.035	91	346882	18.645	ug/l	99
79) 2-Chlorotoluene	13.123	91	215960	17.936	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	247091	19.035	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	32042m	18.317	ug/l	
82) 4-Chlorotoluene	13.218	91	222118	18.527	ug/l	98
83) tert-Butylbenzene	13.435	119	198026	18.165	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	249382	19.275	ug/l	99
85) sec-Butylbenzene	13.612	105	284863	18.854	ug/l	100
86) p-Isopropyltoluene	13.729	119	238678	19.005	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	139515	18.451	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	137627	17.560	ug/l	100
89) n-Butylbenzene	14.053	91	192550	17.764	ug/l	99
90) Hexachloroethane	14.329	117	49134	17.083	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	134016	17.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17393	17.157	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	60944	17.385	ug/l	99
94) Hexachlorobutadiene	15.494	225	32965	17.713	ug/l	96
95) Naphthalene	15.641	128	169714	16.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	60838	17.152	ug/l	98

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

