

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
 Data File : VN083799.D
 Acq On : 11 Sep 2024 16:45
 Operator : JC\MD
 Sample : VN0911WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2024
 Supervised By : Mahesh Dadoda 09/12/2024

Quant Time: Sep 12 02:09:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	149250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113952	50.635	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	8.165	113	81366	48.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	10.565	98	297437	51.473	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.847	95	112119	47.029	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33439	19.292	ug/l	99
3) Chloromethane	2.359	50	34843	18.523	ug/l	98
4) Vinyl Chloride	2.512	62	34893	18.366	ug/l	96
5) Bromomethane	2.901	94	21195	19.430	ug/l	98
6) Chloroethane	3.065	64	25216	18.921	ug/l	96
7) Trichlorofluoromethane	3.465	101	61112	18.950	ug/l	99
8) Diethyl Ether	3.959	74	20640	19.093	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	33133	19.384	ug/l	96
10) Methyl Iodide	4.577	142	40902	18.815	ug/l	89
11) Tert butyl alcohol	5.536	59	30582	101.480	ug/l #	84
12) 1,1-Dichloroethene	4.324	96	30229	18.726	ug/l	97
13) Acrolein	4.177	56	26709	89.826	ug/l	99
14) Allyl chloride	5.012	41	55067	19.144	ug/l	98
15) Acrylonitrile	5.718	53	83375	101.732	ug/l	99
16) Acetone	4.430	43	81193	89.998	ug/l	96
17) Carbon Disulfide	4.694	76	78324	17.345	ug/l	98
18) Methyl Acetate	5.024	43	42293	21.440	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	112571	19.271	ug/l	99
20) Methylene Chloride	5.265	84	35197	19.065	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	31574	18.251	ug/l	96
22) Diisopropyl ether	6.671	45	115593	19.522	ug/l	97
23) Vinyl Acetate	6.600	43	440585	101.605	ug/l	99
24) 1,1-Dichloroethane	6.559	63	64942	19.037	ug/l	98
25) 2-Butanone	7.483	43	115948	97.785	ug/l	99
26) 2,2-Dichloropropane	7.488	77	58288	18.553	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	39161	19.068	ug/l	98
28) Bromochloromethane	7.812	49	29864	20.788	ug/l	95
29) Tetrahydrofuran	7.835	42	71490	101.965	ug/l	100
30) Chloroform	7.965	83	68347	18.872	ug/l	96
31) Cyclohexane	8.253	56	59693	18.353	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	62636	18.809	ug/l	98
36) 1,1-Dichloropropene	8.365	75	44477	17.679	ug/l	100
37) Ethyl Acetate	7.559	43	48502	21.239	ug/l	98
38) Carbon Tetrachloride	8.359	117	54045	18.935	ug/l	98
39) Methylcyclohexane	9.600	83	53487	18.678	ug/l	96
40) Benzene	8.600	78	142354	18.799	ug/l	99

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Reviewed By :John Carlone 09/12/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26318	19.485	ug/l	98
42) 1,2-Dichloroethane	8.671	62	57918	20.469	ug/l	98
43) Isopropyl Acetate	8.688	43	98330	23.761	ug/l	94
44) Trichloroethene	9.347	130	32354	18.450	ug/l	98
45) 1,2-Dichloropropane	9.618	63	36229	19.795	ug/l	97
46) Dibromomethane	9.706	93	24752	19.308	ug/l	99
47) Bromodichloromethane	9.888	83	53597	19.319	ug/l	98
48) Methyl methacrylate	9.682	41	40956	20.860	ug/l	96
49) 1,4-Dioxane	9.700	88	13673	423.334	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	237950	105.630	ug/l	96
52) Toluene	10.629	92	88404	19.086	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	51842	18.435	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	55765	18.878	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	32445	18.763	ug/l	96
56) Ethyl methacrylate	10.871	69	54822	20.606	ug/l	98
57) 1,3-Dichloropropane	11.165	76	59611	20.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	102730	107.165	ug/l	96
59) 2-Hexanone	11.194	43	173745	104.267	ug/l	97
60) Dibromochloromethane	11.359	129	38100	19.688	ug/l	95
61) 1,2-Dibromoethane	11.471	107	32500	18.846	ug/l	98
64) Tetrachloroethene	11.106	164	26310	17.413	ug/l	96
65) Chlorobenzene	11.888	112	91213	18.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	33178	18.953	ug/l	99
67) Ethyl Benzene	11.965	91	166588	18.571	ug/l	99
68) m/p-Xylenes	12.070	106	120699	36.242	ug/l	98
69) o-Xylene	12.400	106	59058	18.318	ug/l	97
70) Styrene	12.412	104	101275	19.140	ug/l	99
71) Bromoform	12.576	173	23799	20.175	ug/l #	99
73) Isopropylbenzene	12.694	105	154812	17.900	ug/l	99
74) N-amyl acetate	12.494	43	72864	19.746	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	47677	18.762	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	42204m	18.710	ug/l	
77) Bromobenzene	12.982	156	36106	17.343	ug/l	97
78) n-propylbenzene	13.035	91	176000	17.490	ug/l	100
79) 2-Chlorotoluene	13.123	91	116341	18.128	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	133503	18.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	15414	17.897	ug/l	89
82) 4-Chlorotoluene	13.217	91	112039	17.397	ug/l	98
83) tert-Butylbenzene	13.435	119	116622	18.281	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	134697	18.389	ug/l	99
85) sec-Butylbenzene	13.617	105	152251	17.995	ug/l	100
86) p-Isopropyltoluene	13.729	119	124511	17.556	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	65668	16.714	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	66959	16.831	ug/l	98
89) n-Butylbenzene	14.053	91	103956	16.325	ug/l	99
90) Hexachloroethane	14.335	117	25026	17.554	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	67694	17.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10212	20.159	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	33104	16.269	ug/l	98
94) Hexachlorobutadiene	15.500	225	14982	17.337	ug/l	99
95) Naphthalene	15.641	128	108187	17.476	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	31271	16.080	ug/l	98

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

