

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040824\
 Data File : VN081670.D
 Acq On : 08 Apr 2024 12:19
 Operator : JC\MD
 Sample : VN0408WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/09/2024
 Supervised By : Semsettin Yesilyurt 04/09/2024

Quant Time: Apr 09 01:54:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	331906	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	583804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	542480	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	224851	53.123	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.240%			
35) Dibromofluoromethane	8.165	113	201130	54.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.180%			
50) Toluene-d8	10.570	98	679078	50.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.847	95	258885	55.164	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	101969	22.816	ug/l	90
3) Chloromethane	2.359	50	95561	21.476	ug/l	98
4) Vinyl Chloride	2.518	62	91265	18.276	ug/l	90
5) Bromomethane	2.959	94	60510	17.134	ug/l	93
6) Chloroethane	3.118	64	54895	16.011	ug/l	# 88
7) Trichlorofluoromethane	3.500	101	165934	22.296	ug/l	97
8) Diethyl Ether	3.959	74	53705	21.805	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.365	101	95277	22.531	ug/l	# 87
10) Methyl Iodide	4.589	142	97906	23.249	ug/l	92
11) Tert butyl alcohol	5.512	59	72720	98.587	ug/l	100
12) 1,1-Dichloroethene	4.347	96	87557	22.353	ug/l	88
13) Acrolein	4.177	56	44696	67.528	ug/l	97
14) Allyl chloride	5.024	41	106551	21.708	ug/l	# 88
15) Acrylonitrile	5.718	53	201941	102.335	ug/l	97
16) Acetone	4.424	43	128316	93.805	ug/l	97
17) Carbon Disulfide	4.712	76	242772	21.598	ug/l	97
18) Methyl Acetate	5.024	43	82915	19.661	ug/l	# 85
19) Methyl tert-butyl Ether	5.794	73	278769	22.740	ug/l	100
20) Methylene Chloride	5.277	84	97171	21.686	ug/l	# 81
21) trans-1,2-Dichloroethene	5.788	96	94416	21.618	ug/l	86
22) Diisopropyl ether	6.671	45	253977	22.270	ug/l	# 90
23) Vinyl Acetate	6.600	43	1013995	111.701	ug/l	# 90
24) 1,1-Dichloroethane	6.571	63	160314	20.988	ug/l	95
25) 2-Butanone	7.482	43	233355	99.459	ug/l	# 88
26) 2,2-Dichloropropane	7.488	77	151356	22.846	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	114138	23.098	ug/l	83
28) Bromochloromethane	7.818	49	64436	20.711	ug/l	# 44
29) Tetrahydrofuran	7.841	42	158553	100.313	ug/l	# 74
30) Chloroform	7.965	83	183581	22.450	ug/l	99
31) Cyclohexane	8.259	56	144425	20.968	ug/l	# 69
32) 1,1,1-Trichloroethane	8.171	97	165974	22.372	ug/l	93
36) 1,1-Dichloropropene	8.371	75	122017	19.679	ug/l	94
37) Ethyl Acetate	7.559	43	103236	19.444	ug/l	# 94
38) Carbon Tetrachloride	8.365	117	147494	21.715	ug/l	97
39) Methylcyclohexane	9.606	83	153613	22.185	ug/l	# 80
40) Benzene	8.606	78	394834	21.781	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	57218	20.378	ug/l	90
42) 1,2-Dichloroethane	8.671	62	131608	20.630	ug/l	96
43) Isopropyl Acetate	8.688	43	175891	19.986	ug/l #	90
44) Trichloroethene	9.353	130	103631	20.326	ug/l	88
45) 1,2-Dichloropropane	9.624	63	88508	20.146	ug/l	97
46) Dibromomethane	9.706	93	75012	22.484	ug/l #	89
47) Bromodichloromethane	9.888	83	148244	22.726	ug/l #	97
48) Methyl methacrylate	9.682	41	79506	19.586	ug/l #	82
49) 1,4-Dioxane	9.694	88	38784	397.573	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	537515	100.091	ug/l	91
52) Toluene	10.629	92	252586	21.923	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	147188	20.897	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	156294	20.696	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	96947	20.908	ug/l	95
56) Ethyl methacrylate	10.876	69	137546	21.484	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	160931	21.172	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	286878	98.327	ug/l #	81
59) 2-Hexanone	11.200	43	390668	98.394	ug/l	89
60) Dibromochloromethane	11.359	129	118256	23.190	ug/l	97
61) 1,2-Dibromoethane	11.470	107	100937	21.352	ug/l	98
64) Tetrachloroethene	11.106	164	111512	21.505	ug/l	93
65) Chlorobenzene	11.894	112	287920	22.451	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	98785	20.784	ug/l	96
67) Ethyl Benzene	11.965	91	467470	20.985	ug/l	95
68) m/p-Xylenes	12.070	106	373531	44.728	ug/l	92
69) o-Xylene	12.400	106	177781	21.685	ug/l	92
70) Styrene	12.412	104	296458	22.420	ug/l	95
71) Bromoform	12.582	173	77417	21.675	ug/l #	99
73) Isopropylbenzene	12.700	105	456667	21.113	ug/l	97
74) N-amyl acetate	12.494	43	151802	19.393	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	119191	18.742	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	115226m	18.984	ug/l	
77) Bromobenzene	12.982	156	112322	21.022	ug/l	70
78) n-propylbenzene	13.035	91	539332	21.114	ug/l	92
79) 2-Chlorotoluene	13.123	91	320455	20.961	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	389351	21.794	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	45860m	20.417	ug/l	
82) 4-Chlorotoluene	13.223	91	323888	21.488	ug/l	93
83) tert-Butylbenzene	13.441	119	328481	21.322	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	383276	21.346	ug/l	90
85) sec-Butylbenzene	13.617	105	464737	21.102	ug/l	92
86) p-Isopropyltoluene	13.729	119	398721	22.148	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	215317	21.933	ug/l	91
88) 1,4-Dichlorobenzene	13.811	146	211754	20.832	ug/l	96
89) n-Butylbenzene	14.059	91	328804	20.597	ug/l	97
90) Hexachloroethane	14.335	117	76264	22.369	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	206117	21.814	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	25868	19.113	ug/l	75
93) 1,2,4-Trichlorobenzene	15.394	180	109779	20.094	ug/l	97
94) Hexachlorobutadiene	15.505	225	43887	18.308	ug/l	97
95) Naphthalene	15.641	128	354827	20.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	111597	20.307	ug/l	99

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

