

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120423\
 Data File : VN080330.D
 Acq On : 04 Dec 2023 12:00
 Operator : JC\MD
 Sample : VN1204WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2023
 Supervised By : Mahesh Dadoda 12/05/2023

Quant Time: Dec 05 04:12:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	206676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	171977	50.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.800%			
35) Dibromofluoromethane	8.165	113	122019	52.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.820%			
50) Toluene-d8	10.565	98	430981	51.352	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.700%			
62) 4-Bromofluorobenzene	12.853	95	164891	52.015	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	60896	19.781	ug/l	97
3) Chloromethane	2.359	50	41715	18.023	ug/l	100
4) Vinyl Chloride	2.512	62	46149	18.841	ug/l	94
5) Bromomethane	2.954	94	32102	19.306	ug/l	93
6) Chloroethane	3.118	64	29978	18.698	ug/l #	86
7) Trichlorofluoromethane	3.501	101	104726	20.496	ug/l	99
8) Diethyl Ether	3.965	74	27541	18.533	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	47170	20.197	ug/l	96
10) Methyl Iodide	4.595	142	49662	19.676	ug/l #	85
11) Tert butyl alcohol	5.518	59	39386	104.953	ug/l #	88
12) 1,1-Dichloroethene	4.336	96	42233	19.334	ug/l	90
13) Acrolein	4.183	56	23167	69.756	ug/l	96
14) Allyl chloride	5.024	41	48713	17.725	ug/l	91
15) Acrylonitrile	5.724	53	95691	94.985	ug/l	97
16) Acetone	4.424	43	89593	78.166	ug/l	98
17) Carbon Disulfide	4.706	76	114388	17.538	ug/l	97
18) Methyl Acetate	5.018	43	64174	17.426	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	156450	20.281	ug/l	95
20) Methylene Chloride	5.277	84	50382	20.990	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	46278	19.284	ug/l #	81
22) Diisopropyl ether	6.677	45	119792	19.701	ug/l	94
23) Vinyl Acetate	6.606	43	331450	90.671	ug/l	95
24) 1,1-Dichloroethane	6.571	63	82920	18.723	ug/l	98
25) 2-Butanone	7.483	43	111744	82.055	ug/l	96
26) 2,2-Dichloropropane	7.489	77	84440	19.218	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	54436	20.008	ug/l	89
28) Bromochloromethane	7.812	49	33331	19.144	ug/l	98
29) Tetrahydrofuran	7.841	42	66573	91.056	ug/l	96
30) Chloroform	7.965	83	101505	20.506	ug/l	100
31) Cyclohexane	8.253	56	64031	17.253	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	100257	20.769	ug/l	95
36) 1,1-Dichloropropene	8.371	75	68399	20.292	ug/l	97
37) Ethyl Acetate	7.559	43	44041	18.836	ug/l	98
38) Carbon Tetrachloride	8.365	117	92364	21.593	ug/l	98
39) Methylcyclohexane	9.600	83	61391	18.889	ug/l	93
40) Benzene	8.606	78	196598	20.521	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	24426	19.023	ug/l	96
42) 1,2-Dichloroethane	8.671	62	87068	22.214	ug/l	95
43) Isopropyl Acetate	8.688	43	76295	16.769	ug/l	98
44) Trichloroethene	9.353	130	52032	20.705	ug/l	92
45) 1,2-Dichloropropane	9.624	63	45354	20.371	ug/l	98
46) Dibromomethane	9.712	93	37214	22.082	ug/l	92
47) Bromodichloromethane	9.888	83	81993	22.118	ug/l	95
48) Methyl methacrylate	9.682	41	47513	20.264	ug/l	90
49) 1,4-Dioxane	9.700	88	16006	410.334	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	229017	97.223	ug/l	99
52) Toluene	10.635	92	124037	20.688	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	80305	21.084	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	80906	20.792	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	49493	21.629	ug/l	98
56) Ethyl methacrylate	10.877	69	48458	20.729	ug/l	95
57) 1,3-Dichloropropane	11.165	76	83037	20.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	117816	89.459	ug/l	100
59) 2-Hexanone	11.194	43	169293	89.439	ug/l	96
60) Dibromochloromethane	11.359	129	61056	22.287	ug/l	100
61) 1,2-Dibromoethane	11.471	107	49170	21.063	ug/l	98
64) Tetrachloroethene	11.106	164	56158	25.485	ug/l	99
65) Chlorobenzene	11.894	112	136907	20.926	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	57672	22.715	ug/l	93
67) Ethyl Benzene	11.965	91	238474	20.484	ug/l	96
68) m/p-Xylenes	12.071	106	178229	41.988	ug/l	86
69) o-Xylene	12.400	106	85718	21.427	ug/l	86
70) Styrene	12.412	104	127542	21.421	ug/l	95
71) Bromoform	12.582	173	42200	22.413	ug/l #	98
73) Isopropylbenzene	12.700	105	224382	19.820	ug/l	99
74) N-amyl acetate	12.500	43	57923	16.407	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	59084	17.437	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	70680m	19.800	ug/l	
77) Bromobenzene	12.982	156	59141	20.720	ug/l	91
78) n-propylbenzene	13.035	91	245968	19.429	ug/l	100
79) 2-Chlorotoluene	13.129	91	165846	20.170	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	195886	19.877	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	22849	21.626	ug/l	96
82) 4-Chlorotoluene	13.223	91	167353	19.868	ug/l	97
83) tert-Butylbenzene	13.441	119	150336	19.023	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	197721	20.375	ug/l	98
85) sec-Butylbenzene	13.618	105	192771	19.282	ug/l	100
86) p-Isopropyltoluene	13.729	119	176550	19.769	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	101802	19.796	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	99117	19.179	ug/l	97
89) n-Butylbenzene	14.059	91	139297	18.635	ug/l	98
90) Hexachloroethane	14.335	117	31412	18.042	ug/l	67
91) 1,2-Dichlorobenzene	14.106	146	96709	19.652	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14118	17.938	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	47735	16.678	ug/l	96
94) Hexachlorobutadiene	15.500	225	28987	17.599	ug/l	98
95) Naphthalene	15.647	128	124895	15.048	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	44730	16.673	ug/l	96

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

