

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
 Data File : VN079244.D
 Acq On : 12 Sep 2023 18:48
 Operator : JC\MD
 Sample : VN0912WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Quant Time: Sep 13 01:36:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	73483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	124212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	108454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	46000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	62472	62.979	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.960%#			
35) Dibromofluoromethane	8.177	113	46709	56.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.060%			
50) Toluene-d8	10.570	98	151385	49.899	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.853	95	50248	51.924	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	11102	15.269	ug/l	91
3) Chloromethane	2.365	50	23072	24.173	ug/l	96
4) Vinyl Chloride	2.512	62	22634	21.764	ug/l	96
5) Bromomethane	2.953	94	15354	25.685	ug/l	100
6) Chloroethane	3.118	64	18661	27.618	ug/l	99
7) Trichlorofluoromethane	3.494	101	24564	16.130	ug/l	94
8) Diethyl Ether	3.965	74	11425	21.615	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	11751	14.509	ug/l	91
10) Methyl Iodide	4.589	142	14212	21.452	ug/l	92
11) Tert butyl alcohol	5.530	59	19666	107.385	ug/l	95
12) 1,1-Dichloroethene	4.347	96	12137	15.486	ug/l	89
13) Acrolein	4.183	56	17002	97.326	ug/l	100
14) Allyl chloride	5.018	41	20152	16.119	ug/l	91
15) Acrylonitrile	5.736	53	44185	93.048	ug/l	97
16) Acetone	4.436	43	36065	85.607	ug/l	100
17) Carbon Disulfide	4.712	76	31669	12.929	ug/l	98
18) Methyl Acetate	5.041	43	30967	17.885	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	59685	22.205	ug/l	100
20) Methylene Chloride	5.277	84	19946	19.456	ug/l	92
21) trans-1,2-Dichloroethene	5.794	96	15424	16.965	ug/l #	81
22) Diisopropyl ether	6.677	45	48379	17.636	ug/l #	91
23) Vinyl Acetate	6.612	43	150952	89.466	ug/l	93
24) 1,1-Dichloroethane	6.577	63	30566	18.075	ug/l	97
25) 2-Butanone	7.494	43	54402	89.000	ug/l	96
26) 2,2-Dichloropropane	7.488	77	22726	16.377	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	19353	18.616	ug/l	91
28) Bromochloromethane	7.818	49	15032	19.661	ug/l	99
29) Tetrahydrofuran	7.847	42	35245	90.606	ug/l	89
30) Chloroform	7.971	83	36052	20.477	ug/l	94
31) Cyclohexane	8.265	56	18279	12.620	ug/l	84
32) 1,1,1-Trichloroethane	8.171	97	28912	19.264	ug/l	99
36) 1,1-Dichloropropene	8.377	75	20007	15.710	ug/l	97
37) Ethyl Acetate	7.571	43	23722	18.675	ug/l	98
38) Carbon Tetrachloride	8.371	117	24968	18.945	ug/l	92
39) Methylcyclohexane	9.606	83	18215	14.500	ug/l	88
40) Benzene	8.612	78	68791	17.645	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	11427	17.842	ug/l	95
42) 1,2-Dichloroethane	8.677	62	30895	23.019	ug/l	97
43) Isopropyl Acetate	8.694	43	35923	17.332	ug/l	99
44) Trichloroethene	9.359	130	16703	17.392	ug/l	87
45) 1,2-Dichloropropane	9.623	63	17919	18.520	ug/l	91
46) Dibromomethane	9.712	93	13894	21.153	ug/l #	83
47) Bromodichloromethane	9.894	83	28667	21.309	ug/l	95
48) Methyl methacrylate	9.688	41	16936	18.242	ug/l	89
49) 1,4-Dioxane	9.706	88	8661	453.569	ug/l #	76
51) 4-Methyl-2-Pentanone	10.453	43	112359	93.386	ug/l	99
52) Toluene	10.635	92	41771	17.434	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	28902	20.374	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	29257	19.283	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	19540	20.785	ug/l	95
56) Ethyl methacrylate	10.876	69	28108	21.180	ug/l	93
57) 1,3-Dichloropropane	11.170	76	32553	20.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	53553	102.688	ug/l	96
59) 2-Hexanone	11.200	43	81450	93.466	ug/l	97
60) Dibromochloromethane	11.359	129	23122	23.110	ug/l	99
61) 1,2-Dibromoethane	11.476	107	19488	20.772	ug/l	100
64) Tetrachloroethene	11.106	164	15403	19.477	ug/l	93
65) Chlorobenzene	11.900	112	44964	18.301	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.965	131	20926	22.713	ug/l	94
67) Ethyl Benzene	11.970	91	72163	17.172	ug/l	99
68) m/p-Xylenes	12.076	106	55196	35.237	ug/l	94
69) o-Xylene	12.406	106	28013	18.647	ug/l	93
70) Styrene	12.417	104	46535	19.260	ug/l	98
71) Bromoform	12.582	173	17247	25.358	ug/l #	98
73) Isopropylbenzene	12.700	105	68273	16.313	ug/l	99
74) N-amyl acetate	12.500	43	24809	15.625	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	27880	17.889	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	23335m	18.822	ug/l	
77) Bromobenzene	12.988	156	19134	18.056	ug/l	98
78) n-propylbenzene	13.041	91	72284	15.375	ug/l	100
79) 2-Chlorotoluene	13.129	91	50355	16.376	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	60305	17.293	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	8060	17.873	ug/l	88
82) 4-Chlorotoluene	13.223	91	46510	16.097	ug/l	98
83) tert-Butylbenzene	13.441	119	47112	16.331	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	58100	17.494	ug/l	98
85) sec-Butylbenzene	13.617	105	60905	15.335	ug/l	96
86) p-Isopropyltoluene	13.735	119	52889	16.668	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	29325	16.871	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	28329	16.129	ug/l	97
89) n-Butylbenzene	14.059	91	35033	14.040	ug/l	99
90) Hexachloroethane	14.341	117	10598	16.447	ug/l	70
91) 1,2-Dichlorobenzene	14.111	146	30208	17.605	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	6038	25.486	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	9888	16.036	ug/l	99
94) Hexachlorobutadiene	15.505	225	8087	16.672	ug/l	99
95) Naphthalene	15.647	128	27630	15.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	12061	16.582	ug/l	99

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

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