

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072723\
 Data File : VN078662.D
 Acq On : 27 Jul 2023 16:07
 Operator : JC\MD
 Sample : VN0727WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Quant Time: Jul 28 01:07:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Semsettin Yesilyurt 07/28/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	440103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	760905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	679472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	263589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	305723	51.817	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.640%			
35) Dibromofluoromethane	8.171	113	276144	53.462	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.576	98	927964	47.557	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.120%			
62) 4-Bromofluorobenzene	12.853	95	299449	49.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	104790	19.420	ug/l	95
3) Chloromethane	2.371	50	143911	24.538	ug/l	96
4) Vinyl Chloride	2.518	62	161554	21.294	ug/l	100
5) Bromomethane	2.953	94	119067	22.031	ug/l	94
6) Chloroethane	3.118	64	128038	27.016	ug/l	95
7) Trichlorofluoromethane	3.494	101	172339	19.003	ug/l	100
8) Diethyl Ether	3.971	74	64580	21.373	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	93313	19.437	ug/l	94
10) Methyl Iodide	4.594	142	137250	20.805	ug/l #	95
11) Tert butyl alcohol	5.547	59	106452	117.005	ug/l	100
12) 1,1-Dichloroethene	4.353	96	89401	19.251	ug/l	99
13) Acrolein	4.194	56	88968	99.392	ug/l	90
14) Allyl chloride	5.030	41	114517	18.047	ug/l	95
15) Acrylonitrile	5.730	53	258256	112.347	ug/l	98
16) Acetone	4.441	43	200537	109.114	ug/l	99
17) Carbon Disulfide	4.724	76	238221	17.740	ug/l	100
18) Methyl Acetate	5.047	43	172647	22.191	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	332426	21.726	ug/l	96
20) Methylene Chloride	5.288	84	121238	22.321	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	105274	20.117	ug/l	94
22) Diisopropyl ether	6.683	45	312318	21.981	ug/l	94
23) Vinyl Acetate	6.618	43	982209	108.736	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	194997	20.367	ug/l	98
25) 2-Butanone	7.494	43	329955	114.051	ug/l #	83
26) 2,2-Dichloropropane	7.500	77	134943	17.232	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	126734	20.935	ug/l	96
28) Bromochloromethane	7.824	49	95968	21.281	ug/l	98
29) Tetrahydrofuran	7.853	42	212870	112.136	ug/l	85
30) Chloroform	7.977	83	214696	21.539	ug/l	94
31) Cyclohexane	8.265	56	145450	18.241	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	180326	20.178	ug/l	98
36) 1,1-Dichloropropene	8.382	75	141554	18.980	ug/l	97
37) Ethyl Acetate	7.571	43	141245	22.718	ug/l #	93
38) Carbon Tetrachloride	8.377	117	159649	19.696	ug/l	88
39) Methylcyclohexane	9.606	83	127153	18.678	ug/l	92
40) Benzene	8.612	78	461463	20.885	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	72032	22.727	ug/l	91
42) 1,2-Dichloroethane	8.677	62	164326	21.865	ug/l	98
43) Isopropyl Acetate	8.700	43	241766	23.619	ug/l #	93
44) Trichloroethene	9.359	130	118608	19.917	ug/l	94
45) 1,2-Dichloropropane	9.629	63	118906	21.248	ug/l	92
46) Dibromomethane	9.718	93	88086	22.364	ug/l	93
47) Bromodichloromethane	9.894	83	170608	21.608	ug/l	99
48) Methyl methacrylate	9.688	41	102585	21.632	ug/l	91
49) 1,4-Dioxane	9.706	88	48529	469.249	ug/l #	94
51) 4-Methyl-2-Pentanone	10.453	43	701251	115.177	ug/l	93
52) Toluene	10.641	92	282151	20.604	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	169123	20.909	ug/l	96
54) cis-1,3-Dichloropropene	10.323	75	187258	21.718	ug/l	93
55) 1,1,2-Trichloroethane	11.023	97	123637	22.915	ug/l	97
56) Ethyl methacrylate	10.882	69	167723	22.238	ug/l	93
57) 1,3-Dichloropropane	11.170	76	197069	21.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	261801	97.402	ug/l	92
59) 2-Hexanone	11.200	43	499708	115.483	ug/l	91
60) Dibromochloromethane	11.365	129	131833	22.133	ug/l	99
61) 1,2-Dibromoethane	11.476	107	125475	22.575	ug/l	99
64) Tetrachloroethene	11.112	164	97449	19.076	ug/l	95
65) Chlorobenzene	11.900	112	303384	19.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	119922	20.525	ug/l	99
67) Ethyl Benzene	11.970	91	517425	20.155	ug/l	95
68) m/p-Xylenes	12.076	106	390669	41.158	ug/l	100
69) o-Xylene	12.406	106	191860	20.012	ug/l	97
70) Styrene	12.417	104	311559	20.772	ug/l	99
71) Bromoform	12.588	173	87960	22.229	ug/l #	99
73) Isopropylbenzene	12.700	105	457617	18.476	ug/l	98
74) N-amyl acetate	12.500	43	175401	20.550	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	171240	23.086	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	141311m	22.179	ug/l	
77) Bromobenzene	12.988	156	121616	21.705	ug/l	93
78) n-propylbenzene	13.041	91	505223	19.074	ug/l	99
79) 2-Chlorotoluene	13.129	91	331249	19.092	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	371505	18.984	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	52201	21.530	ug/l #	92
82) 4-Chlorotoluene	13.229	91	312850	19.329	ug/l	96
83) tert-Butylbenzene	13.447	119	309604	18.634	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	362573	19.074	ug/l	97
85) sec-Butylbenzene	13.623	105	397154	18.911	ug/l	98
86) p-Isopropyltoluene	13.735	119	315688	18.721	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	187112	19.679	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	182668	19.073	ug/l	99
89) n-Butylbenzene	14.064	91	226972	18.811	ug/l	98
90) Hexachloroethane	14.341	117	63543	20.012	ug/l	79
91) 1,2-Dichlorobenzene	14.111	146	188080	19.876	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27017	21.698	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	50340	16.669	ug/l	98
94) Hexachlorobutadiene	15.505	225	36243	20.780	ug/l	95
95) Naphthalene	15.647	128	154836	14.997	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	61482	17.705	ug/l	95

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

