

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072123\
 Data File : VN078613.D
 Acq On : 21 Jul 2023 14:59
 Operator : JC\MD
 Sample : 03709-05MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR-04-400-415-072023MSD

Quant Time: Jul 21 23:24:13 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 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	448759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	787484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	704552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	323288	53.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.177	113	286476	53.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.180%			
50) Toluene-d8	10.571	98	1020775	50.547	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.853	95	335941	54.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	214627	39.009	ug/l	95
3) Chloromethane	2.371	50	299303	50.049	ug/l	99
4) Vinyl Chloride	2.518	62	362281	46.831	ug/l	99
5) Bromomethane	2.948	94	258568	53.157	ug/l	98
6) Chloroethane	3.118	64	259096	55.581	ug/l	98
7) Trichlorofluoromethane	3.500	101	419965	45.414	ug/l	98
8) Diethyl Ether	3.965	74	160294	52.026	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	215068	43.934	ug/l	94
10) Methyl Iodide	4.600	142	339414	50.457	ug/l	97
11) Tert butyl alcohol	5.536	59	224920	242.449	ug/l #	89
12) 1,1-Dichloroethene	4.347	96	291987	61.663	ug/l	90
13) Acrolein	4.195	56	243756	267.062	ug/l	98
14) Allyl chloride	5.030	41	313642	48.473	ug/l	96
15) Acrylonitrile	5.730	53	640058	273.069	ug/l	99
16) Acetone	4.442	43	484399	258.482	ug/l	94
17) Carbon Disulfide	4.718	76	545745	39.857	ug/l	99
18) Methyl Acetate	5.042	43	414289	52.223	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	847778	54.339	ug/l	97
20) Methylene Chloride	5.283	84	288069	53.680	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	262870	49.263	ug/l	87
22) Diisopropyl ether	6.683	45	809772	55.892	ug/l #	92
23) Vinyl Acetate	6.618	43	2460571	267.144	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	525507	53.829	ug/l	97
25) 2-Butanone	7.494	43	801657	271.753	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	392166	49.114	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	401609	65.060	ug/l	96
28) Bromochloromethane	7.818	49	247031	53.723	ug/l	93
29) Tetrahydrofuran	7.847	42	531627	274.649	ug/l #	84
30) Chloroform	7.977	83	553616	54.469	ug/l	94
31) Cyclohexane	8.265	56	332982	40.955	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	474834	52.107	ug/l	97
36) 1,1-Dichloropropene	8.377	75	367323	47.589	ug/l	97
37) Ethyl Acetate	7.571	43	336754	52.336	ug/l #	94
38) Carbon Tetrachloride	8.371	117	410360	48.916	ug/l	96
39) Methylcyclohexane	9.606	83	303411	43.064	ug/l	94
40) Benzene	8.612	78	1174299	51.353	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	171840	52.387	ug/l	95
42) 1,2-Dichloroethane	8.677	62	415059	53.363	ug/l	99
43) Isopropyl Acetate	8.700	43	577947	54.557	ug/l	95
44) Trichloroethene	9.359	130	357558	58.015	ug/l	98
45) 1,2-Dichloropropane	9.629	63	307841	53.153	ug/l	99
46) Dibromomethane	9.712	93	220089	53.992	ug/l	93
47) Bromodichloromethane	9.894	83	438292	53.638	ug/l	98
48) Methyl methacrylate	9.688	41	272241	55.470	ug/l	89
49) 1,4-Dioxane	9.700	88	109418	1022.302	ug/l	88
51) 4-Methyl-2-Pentanone	10.453	43	1792594	284.488	ug/l	93
52) Toluene	10.635	92	1541597	108.773	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	459207	54.855	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	487353	54.616	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	306657	54.918	ug/l	96
56) Ethyl methacrylate	10.882	69	456883	58.532	ug/l	91
57) 1,3-Dichloropropane	11.171	76	507903	53.495	ug/l	99
59) 2-Hexanone	11.200	43	1283840	286.681	ug/l	91
60) Dibromochloromethane	11.365	129	346869	56.268	ug/l	100
61) 1,2-Dibromoethane	11.476	107	315497	54.848	ug/l	97
64) Tetrachloroethene	11.112	164	240676	45.436	ug/l	96
65) Chlorobenzene	11.894	112	783030	49.721	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	323038	53.321	ug/l	98
67) Ethyl Benzene	11.970	91	1356237	50.948	ug/l	98
68) m/p-Xylenes	12.076	106	1022619	103.901	ug/l	98
69) o-Xylene	12.406	106	512791	51.583	ug/l	98
70) Styrene	12.418	104	834976	53.687	ug/l	98
71) Bromoform	12.582	173	235789	57.466	ug/l #	97
73) Isopropylbenzene	12.700	105	1226736	44.574	ug/l	99
74) N-amyl acetate	12.500	43	466070	49.141	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	442930	58.125	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	341887m	48.292	ug/l	
77) Bromobenzene	12.988	156	310646	51.965	ug/l	96
78) n-propylbenzene	13.041	91	1367710	46.469	ug/l	99
79) 2-Chlorotoluene	13.129	91	875418	45.408	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1010385	46.465	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	141995	52.706	ug/l	90
82) 4-Chlorotoluene	13.229	91	855579	47.573	ug/l	99
83) tert-Butylbenzene	13.441	119	846753	45.865	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1008803	47.761	ug/l	99
85) sec-Butylbenzene	13.623	105	1072756	45.971	ug/l	99
86) p-Isopropyltoluene	13.735	119	884985	47.230	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	513556	48.608	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	496253	46.632	ug/l	98
89) n-Butylbenzene	14.064	91	676886	50.487	ug/l	97
90) Hexachloroethane	14.341	117	176065	51.141	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	517826	49.249	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	69646	52.975	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	163220	48.640	ug/l	96
94) Hexachlorobutadiene	15.506	225	94201	54.649	ug/l	97
95) Naphthalene	15.647	128	519611	45.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	183386	47.527	ug/l	98

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

