

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077698.D
 Acq On : 16 May 2023 17:26
 Operator : JC\MD
 Sample : 02213-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2023

Quant Time: May 17 05:07:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 17 04:54:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	352009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	665124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	565551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	229579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	293320	55.691	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.380%			
35) Dibromofluoromethane	8.171	113	225105	51.901	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.800%			
50) Toluene-d8	10.571	98	860983	51.574	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.853	95	280476	47.570	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	19814	4.946	ug/l	90
3) Chloromethane	2.365	50	22949	4.779	ug/l	95
4) Vinyl Chloride	2.512	62	26903	5.326	ug/l	92
5) Bromomethane	2.942	94	21764	5.826	ug/l	95
6) Chloroethane	3.118	64	21183	5.819	ug/l	94
7) Trichlorofluoromethane	3.500	101	36011	5.116	ug/l	94
8) Diethyl Ether	3.959	74	13346	5.194	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.371	101	19703	5.058	ug/l	97
10) Methyl Iodide	4.595	142	24392	5.251	ug/l #	86
11) Tert butyl alcohol	5.530	59	21670	29.812	ug/l #	93
12) 1,1-Dichloroethene	4.347	96	17944	4.847	ug/l #	77
13) Acrolein	4.189	56	17749	34.337	ug/l	90
14) Allyl chloride	5.036	41	30080	5.531	ug/l #	94
15) Acrylonitrile	5.724	53	52781	27.179	ug/l	98
16) Acetone	4.442	43	44513	26.863	ug/l	96
17) Carbon Disulfide	4.718	76	45022	4.513	ug/l	99
18) Methyl Acetate	5.030	43	36550	5.258	ug/l #	86
19) Methyl tert-butyl Ether	5.812	73	70842	5.286	ug/l	96
20) Methylene Chloride	5.277	84	26136	5.265	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	20059	4.823	ug/l	97
22) Diisopropyl ether	6.683	45	65415	5.131	ug/l #	92
23) Vinyl Acetate	6.612	43	227338m	28.782	ug/l	
24) 1,1-Dichloroethane	6.571	63	41734	5.343	ug/l	95
25) 2-Butanone	7.494	43	71493	27.581	ug/l #	78
26) 2,2-Dichloropropane	7.500	77	30063	4.531	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	26619	5.338	ug/l	95
28) Bromochloromethane	7.824	49	18163	5.377	ug/l	83
29) Tetrahydrofuran	7.847	42	45566	26.846	ug/l #	82
30) Chloroform	7.965	83	44984	5.236	ug/l	87
31) Cyclohexane	8.265	56	40693	5.685	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	35709	4.889	ug/l	88
36) 1,1-Dichloropropene	8.377	75	30428	4.796	ug/l	98
37) Ethyl Acetate	7.571	43	29536	5.224	ug/l #	96
38) Carbon Tetrachloride	8.371	117	30451	4.754	ug/l #	95
39) Methylcyclohexane	9.606	83	35824	4.613	ug/l	90
40) Benzene	8.618	78	96032	5.130	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	15909	5.283	ug/l	88
42) 1,2-Dichloroethane	8.682	62	36123	5.312	ug/l	97
43) Isopropyl Acetate	8.694	43	47487	5.142	ug/l #	95
44) Trichloroethene	9.359	130	23110	4.875	ug/l	94
45) 1,2-Dichloropropane	9.624	63	24330	5.095	ug/l	89
46) Dibromomethane	9.718	93	17568	5.142	ug/l	93
47) Bromodichloromethane	9.894	83	34072	5.209	ug/l	98
48) Methyl methacrylate	9.688	41	22772	5.200	ug/l	83
49) 1,4-Dioxane	9.706	88	9635	116.499	ug/l #	83
51) 4-Methyl-2-Pentanone	10.453	43	145329	26.472	ug/l	91
52) Toluene	10.635	92	57831	4.962	ug/l	95
53) t-1,3-Dichloropropene	10.847	75	32731	4.725	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	34924	4.575	ug/l #	90
55) 1,1,2-Trichloroethane	11.024	97	24262	5.243	ug/l	98
56) Ethyl methacrylate	10.882	69	33414	4.776	ug/l #	85
57) 1,3-Dichloropropane	11.171	76	42101	5.307	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	85400	24.810	ug/l	91
59) 2-Hexanone	11.200	43	106402	26.203	ug/l	92
60) Dibromochloromethane	11.365	129	22427	4.695	ug/l	98
61) 1,2-Dibromoethane	11.471	107	24210	5.244	ug/l	97
64) Tetrachloroethene	11.106	164	22693	5.738	ug/l	95
65) Chlorobenzene	11.894	112	61241	4.995	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.971	131	21016	4.954	ug/l	96
67) Ethyl Benzene	11.971	91	105701	4.811	ug/l	97
68) m/p-Xylenes	12.076	106	79917	9.599	ug/l	97
69) o-Xylene	12.406	106	39465	4.820	ug/l	92
70) Styrene	12.418	104	63061	4.849	ug/l	97
71) Bromoform	12.588	173	13786	4.885	ug/l #	95
73) Isopropylbenzene	12.700	105	99427	5.024	ug/l	99
74) N-amyl acetate	12.500	43	37769	5.163	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	33601	5.519	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	26768m	4.656	ug/l	
77) Bromobenzene	12.988	156	22748	5.037	ug/l	90
78) n-propylbenzene	13.041	91	115967	4.971	ug/l	97
79) 2-Chlorotoluene	13.135	91	73727	5.296	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	83161	5.000	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	7528	4.185	ug/l #	71
82) 4-Chlorotoluene	13.229	91	69524	5.019	ug/l	99
83) tert-Butylbenzene	13.447	119	72381	4.985	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	81717	4.996	ug/l	97
85) sec-Butylbenzene	13.623	105	98782	4.787	ug/l	97
86) p-Isopropyltoluene	13.735	119	79965	4.861	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	40062	4.797	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	40549	4.893	ug/l	94
89) n-Butylbenzene	14.065	91	66572	4.400	ug/l	99
90) Hexachloroethane	14.335	117	12512	4.630	ug/l	93
91) 1,2-Dichlorobenzene	14.117	146	41486	5.317	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	6712	5.695	ug/l	85
93) 1,2,4-Trichlorobenzene	15.400	180	18466	4.050	ug/l	92
94) Hexachlorobutadiene	15.506	225	8074	4.265	ug/l	93
95) Naphthalene	15.653	128	67004	4.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	19386	4.343	ug/l	97

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

