

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071723\
 Data File : VN078537.D
 Acq On : 17 Jul 2023 12:47
 Operator : JC\MD
 Sample : VN0717WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 04:20:45 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

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	431917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	742407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	662418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	261140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	315825	54.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.080%			
35) Dibromofluoromethane	8.177	113	269469	53.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.940%			
50) Toluene-d8	10.571	98	989406	51.969	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.940%			
62) 4-Bromofluorobenzene	12.853	95	302230	51.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	89207	16.846	ug/l	95
3) Chloromethane	2.371	50	116099	20.171	ug/l	100
4) Vinyl Chloride	2.518	62	140785	18.908	ug/l	97
5) Bromomethane	2.959	94	97154	17.386	ug/l	95
6) Chloroethane	3.130	64	94016	19.710	ug/l	95
7) Trichlorofluoromethane	3.500	101	157095	17.650	ug/l	96
8) Diethyl Ether	3.971	74	59629	20.108	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.383	101	89969	19.095	ug/l	97
10) Methyl Iodide	4.595	142	118922	18.368	ug/l	95
11) Tert butyl alcohol	5.530	59	94194	105.494	ug/l #	85
12) 1,1-Dichloroethene	4.353	96	80821	17.734	ug/l	84
13) Acrolein	4.183	56	91659	104.339	ug/l	93
14) Allyl chloride	5.030	41	110718	17.779	ug/l	96
15) Acrylonitrile	5.730	53	228487	101.281	ug/l	98
16) Acetone	4.447	43	182121	100.972	ug/l	88
17) Carbon Disulfide	4.724	76	212605	16.132	ug/l #	93
18) Methyl Acetate	5.042	43	160188	20.980	ug/l #	87
19) Methyl tert-butyl Ether	5.806	73	301123	20.053	ug/l	98
20) Methylene Chloride	5.277	84	108046	20.154	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	91125	17.743	ug/l	89
22) Diisopropyl ether	6.677	45	287578	20.623	ug/l #	91
23) Vinyl Acetate	6.612	43	881741	99.463	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	179980	19.155	ug/l	98
25) 2-Butanone	7.488	43	290948	102.474	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	146296	19.036	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	116135	19.547	ug/l	96
28) Bromochloromethane	7.818	49	91910	20.768	ug/l	92
29) Tetrahydrofuran	7.847	42	187083	100.419	ug/l #	85
30) Chloroform	7.971	83	198504	20.292	ug/l	93
31) Cyclohexane	8.265	56	138571	17.708	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	167811	19.133	ug/l	99
36) 1,1-Dichloropropene	8.383	75	133822	18.390	ug/l	97
37) Ethyl Acetate	7.571	43	123906	20.426	ug/l #	94
38) Carbon Tetrachloride	8.371	117	149559	18.910	ug/l	92
39) Methylcyclohexane	9.606	83	123032	18.523	ug/l	92
40) Benzene	8.612	78	419860	19.476	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	59446	19.223	ug/l	97
42) 1,2-Dichloroethane	8.677	62	149231	20.351	ug/l	99
43) Isopropyl Acetate	8.694	43	218504	21.879	ug/l	93
44) Trichloroethene	9.359	130	106071	18.255	ug/l	95
45) 1,2-Dichloropropane	9.629	63	110492	20.236	ug/l	97
46) Dibromomethane	9.712	93	80227	20.876	ug/l	95
47) Bromodichloromethane	9.894	83	159171	20.662	ug/l	93
48) Methyl methacrylate	9.688	41	92108	19.907	ug/l	91
49) 1,4-Dioxane	9.700	88	41583	412.103	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	616276	103.743	ug/l	92
52) Toluene	10.635	92	263032	19.686	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	161121	20.416	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	174200	20.707	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	112223	21.318	ug/l	98
56) Ethyl methacrylate	10.882	69	146201	19.867	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	185184	20.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	271733	103.616	ug/l	95
59) 2-Hexanone	11.200	43	434051	102.809	ug/l	93
60) Dibromochloromethane	11.365	129	118012	20.306	ug/l	95
61) 1,2-Dibromoethane	11.476	107	113776	20.981	ug/l	98
64) Tetrachloroethene	11.112	164	95175	19.111	ug/l	97
65) Chlorobenzene	11.900	112	285565	19.286	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	113146	19.864	ug/l	97
67) Ethyl Benzene	11.970	91	468690	18.727	ug/l	98
68) m/p-Xylenes	12.076	106	356497	38.525	ug/l	95
69) o-Xylene	12.406	106	178785	19.128	ug/l	99
70) Styrene	12.418	104	282702	19.333	ug/l	99
71) Bromoform	12.588	173	78493	20.347	ug/l #	100
73) Isopropylbenzene	12.700	105	437062	17.812	ug/l	99
74) N-amyl acetate	12.500	43	152624	18.049	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	154807	20.778	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	121027m	19.174	ug/l	
77) Bromobenzene	12.988	156	107388	19.172	ug/l	98
78) n-propylbenzene	13.041	91	485384	18.497	ug/l	99
79) 2-Chlorotoluene	13.129	91	312964	18.207	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	366887	18.923	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	42440	17.668	ug/l #	87
82) 4-Chlorotoluene	13.223	91	294868	18.389	ug/l	98
83) tert-Butylbenzene	13.441	119	302466	18.375	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	355762	18.891	ug/l	98
85) sec-Butylbenzene	13.623	105	382657	18.392	ug/l	99
86) p-Isopropyltoluene	13.735	119	308756	18.481	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	176043	18.688	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	174039	18.343	ug/l	100
89) n-Butylbenzene	14.064	91	228497	19.115	ug/l	96
90) Hexachloroethane	14.341	117	60854	19.317	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	176058	18.780	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23644	18.935	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	46679	15.602	ug/l	98
94) Hexachlorobutadiene	15.506	225	30465	16.947	ug/l	95
95) Naphthalene	15.647	128	138916	13.581	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	55976	16.271	ug/l	97

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

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