

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078461.D
 Acq On : 11 Jul 2023 13:22
 Operator : JC\MD
 Sample : VN0711WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0711WBS01

Quant Time: Jul 12 01:32:27 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 07/12/2023
 Supervised By : Mahesh Dadoda 07/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	477435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	811570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	725683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	279789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	327733	51.204	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	8.177	113	281420	51.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	10.576	98	1079179	51.854	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.853	95	321419	50.139	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	101525	17.344	ug/l	93
3) Chloromethane	2.371	50	120410	18.925	ug/l	99
4) Vinyl Chloride	2.524	62	150125	18.240	ug/l	97
5) Bromomethane	2.965	94	106876	17.276	ug/l	96
6) Chloroethane	3.124	64	99584	18.803	ug/l	96
7) Trichlorofluoromethane	3.500	101	182925	18.593	ug/l	97
8) Diethyl Ether	3.965	74	61229	18.679	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	97380	18.698	ug/l	96
10) Methyl Iodide	4.600	142	127390	17.800	ug/l	96
11) Tert butyl alcohol	5.530	59	87413	88.566	ug/l	98
12) 1,1-Dichloroethene	4.347	96	94456	18.750	ug/l	98
13) Acrolein	4.189	56	77871	80.192	ug/l	96
14) Allyl chloride	5.030	41	120982	17.575	ug/l	95
15) Acrylonitrile	5.735	53	218047	87.438	ug/l	96
16) Acetone	4.441	43	177799	89.178	ug/l	96
17) Carbon Disulfide	4.724	76	243945	16.746	ug/l	100
18) Methyl Acetate	5.041	43	150668	17.852	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	299470	18.042	ug/l	93
20) Methylene Chloride	5.294	84	112399	18.893	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	102626	18.077	ug/l	99
22) Diisopropyl ether	6.682	45	292529	18.978	ug/l #	93
23) Vinyl Acetate	6.618	43	901614	92.009	ug/l #	89
24) 1,1-Dichloroethane	6.582	63	189167	18.213	ug/l	96
25) 2-Butanone	7.494	43	279898	89.183	ug/l	89
26) 2,2-Dichloropropane	7.494	77	160936	18.945	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	123523	18.809	ug/l	94
28) Bromochloromethane	7.824	49	68006	13.901	ug/l	94
29) Tetrahydrofuran	7.847	42	186043	90.341	ug/l	86
30) Chloroform	7.977	83	205119	18.969	ug/l	90
31) Cyclohexane	8.265	56	154000	17.803	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	183092	18.885	ug/l	98
36) 1,1-Dichloropropene	8.382	75	148289	18.642	ug/l	98
37) Ethyl Acetate	7.577	43	125054	18.858	ug/l #	95
38) Carbon Tetrachloride	8.365	117	165865	19.185	ug/l	97
39) Methylcyclohexane	9.612	83	137007	18.869	ug/l	93
40) Benzene	8.618	78	449580	19.077	ug/l	97

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Reviewed By :John Carlone 07/12/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	63894	18.901	ug/l	91
42) 1,2-Dichloroethane	8.682	62	152565	19.033	ug/l	96
43) Isopropyl Acetate	8.694	43	201718	18.477	ug/l	95
44) Trichloroethene	9.359	130	116762	18.383	ug/l	94
45) 1,2-Dichloropropane	9.629	63	113342	18.989	ug/l	91
46) Dibromomethane	9.712	93	82278	19.585	ug/l	95
47) Bromodichloromethane	9.894	83	158625	18.836	ug/l	88
48) Methyl methacrylate	9.688	41	91969	18.183	ug/l	92
49) 1,4-Dioxane	9.700	88	39188	355.271	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	623912	96.077	ug/l	92
52) Toluene	10.635	92	280981	19.237	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	165709	19.208	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	181136	19.697	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	111392	19.357	ug/l	94
56) Ethyl methacrylate	10.882	69	151575	18.842	ug/l	91
57) 1,3-Dichloropropane	11.170	76	182422	18.643	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	255249	89.035	ug/l	93
59) 2-Hexanone	11.200	43	435867	94.441	ug/l	90
60) Dibromochloromethane	11.365	129	123367	19.418	ug/l	100
61) 1,2-Dibromoethane	11.476	107	111106	18.742	ug/l	99
64) Tetrachloroethene	11.112	164	106408	19.503	ug/l	95
65) Chlorobenzene	11.900	112	290870	17.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.964	131	117294	18.797	ug/l	98
67) Ethyl Benzene	11.970	91	507123	18.496	ug/l	98
68) m/p-Xylenes	12.076	106	389553	38.427	ug/l	99
69) o-Xylene	12.406	106	184453	18.014	ug/l	92
70) Styrene	12.417	104	296835	18.530	ug/l	97
71) Bromoform	12.582	173	79346	18.775	ug/l #	99
73) Isopropylbenzene	12.700	105	461405	17.551	ug/l	98
74) N-amyl acetate	12.500	43	151259	16.695	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	153371	18.964	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	125328m	18.532	ug/l	
77) Bromobenzene	12.988	156	112256	18.666	ug/l	95
78) n-propylbenzene	13.041	91	517945	18.422	ug/l	99
79) 2-Chlorotoluene	13.129	91	323730	17.578	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	382985	18.437	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	45411	17.645	ug/l	96
82) 4-Chlorotoluene	13.229	91	307992	17.927	ug/l	97
83) tert-Butylbenzene	13.447	119	311043	17.637	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	373585	18.515	ug/l	96
85) sec-Butylbenzene	13.623	105	397393	17.827	ug/l	99
86) p-Isopropyltoluene	13.735	119	323366	18.066	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	180681	17.902	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	176789	17.391	ug/l	98
89) n-Butylbenzene	14.058	91	233686	18.246	ug/l	97
90) Hexachloroethane	14.335	117	62169	18.381	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	179038	17.825	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23727	17.608	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	45762	14.276	ug/l	99
94) Hexachlorobutadiene	15.511	225	31634	16.285	ug/l	97
95) Naphthalene	15.647	128	136921	12.494	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	54495	14.785	ug/l	97

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

