

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041223\
 Data File : VN077310.D
 Acq On : 12 Apr 2023 12:17
 Operator : JC\MD
 Sample : VN0412WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2023
 Supervised By : Semsettin Yesilyurt 04/13/2023

Quant Time: Apr 13 01:11:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	458454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	881254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	817662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	340437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	277768	44.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.660%		
35) Dibromofluoromethane	8.172	113	238627	42.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.600%		
50) Toluene-d8	10.572	98	962531	42.382	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	84.760%#		
62) 4-Bromofluorobenzene	12.854	95	326782	43.263	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	106278	18.163	ug/l	99
3) Chloromethane	2.372	50	121299	16.728	ug/l	96
4) Vinyl Chloride	2.525	62	169091	17.199	ug/l	100
5) Bromomethane	2.966	94	124632	17.486	ug/l	99
6) Chloroethane	3.131	64	112206	15.992	ug/l	96
7) Trichlorofluoromethane	3.507	101	164385	19.283	ug/l	88
8) Diethyl Ether	3.966	74	71527	20.022	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.384	101	102848	19.713	ug/l	98
10) Methyl Iodide	4.601	142	123188	19.415	ug/l	95
11) Tert butyl alcohol	5.537	59	113627	88.872	ug/l #	87
12) 1,1-Dichloroethene	4.354	96	98415	18.325	ug/l	91
13) Acrolein	4.190	56	114283	94.377	ug/l	98
14) Allyl chloride	5.037	41	132729	16.364	ug/l	96
15) Acrylonitrile	5.731	53	262807	92.977	ug/l	100
16) Acetone	4.431	43	209044	90.486	ug/l	99
17) Carbon Disulfide	4.719	76	252047	17.404	ug/l	100
18) Methyl Acetate	5.037	43	161782	18.387	ug/l	96
19) Methyl tert-butyl Ether	5.807	73	374857	19.671	ug/l	99
20) Methylene Chloride	5.284	84	120782	18.512	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	112269	19.093	ug/l	96
22) Diisopropyl ether	6.678	45	305334	18.776	ug/l	95
23) Vinyl Acetate	6.613	43	1026654	93.372	ug/l	99
24) 1,1-Dichloroethane	6.584	63	198590	18.912	ug/l	99
25) 2-Butanone	7.489	43	332796	88.758	ug/l	97
26) 2,2-Dichloropropane	7.501	77	183709	19.079	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	140498	19.566	ug/l	97
28) Bromochloromethane	7.819	49	86070	20.376	ug/l	99
29) Tetrahydrofuran	7.848	42	214756	89.101	ug/l	97
30) Chloroform	7.972	83	215402	19.236	ug/l	98
31) Cyclohexane	8.260	56	183361	18.833	ug/l	99
32) 1,1,1-Trichloroethane	8.178	97	191737	18.827	ug/l	94
36) 1,1-Dichloropropene	8.378	75	155581	18.646	ug/l	97
37) Ethyl Acetate	7.566	43	141232	18.918	ug/l	98
38) Carbon Tetrachloride	8.366	117	165918	19.409	ug/l	99
39) Methylcyclohexane	9.607	83	212161	18.857	ug/l	97
40) Benzene	8.613	78	490638	18.852	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	72950	18.179	ug/l	97
42) 1,2-Dichloroethane	8.678	62	161197	20.125	ug/l	99
43) Isopropyl Acetate	8.695	43	249231	18.093	ug/l	99
44) Trichloroethene	9.354	130	122085	19.605	ug/l	99
45) 1,2-Dichloropropane	9.624	63	120837	19.550	ug/l	99
46) Dibromomethane	9.713	93	92600	19.884	ug/l	98
47) Bromodichloromethane	9.895	83	178666	19.195	ug/l	97
48) Methyl methacrylate	9.683	41	108347	18.438	ug/l	100
49) 1,4-Dioxane	9.695	88	50889	357.190	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	733367	92.104	ug/l	99
52) Toluene	10.636	92	332171	19.500	ug/l	100
53) t-1,3-Dichloropropene	10.842	75	200165	19.803	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	211950	19.686	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	133120	19.908	ug/l	95
56) Ethyl methacrylate	10.877	69	206116	19.790	ug/l	97
57) 1,3-Dichloropropane	11.166	76	217203	19.661	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	247988	79.984	ug/l	97
59) 2-Hexanone	11.201	43	543692	91.654	ug/l	100
60) Dibromochloromethane	11.360	129	139711	20.286	ug/l	100
61) 1,2-Dibromoethane	11.471	107	132690	19.881	ug/l	99
64) Tetrachloroethene	11.107	164	96204	19.046	ug/l	92
65) Chlorobenzene	11.895	112	350517	19.471	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	131808	19.351	ug/l	100
67) Ethyl Benzene	11.966	91	634720	19.107	ug/l	97
68) m/p-Xylenes	12.077	106	494457	37.882	ug/l	98
69) o-Xylene	12.401	106	240454	18.674	ug/l	96
70) Styrene	12.413	104	392348	18.934	ug/l	98
71) Bromoform	12.583	173	90064	18.784	ug/l #	98
73) Isopropylbenzene	12.701	105	619867	18.746	ug/l	100
74) N-amyl acetate	12.495	43	216770	17.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	193633	18.660	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	170306m	21.008	ug/l	
77) Bromobenzene	12.983	156	129845	19.312	ug/l	97
78) n-propylbenzene	13.042	91	709175	19.410	ug/l	100
79) 2-Chlorotoluene	13.130	91	415461	18.885	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	509383	19.287	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	62802	17.433	ug/l	97
82) 4-Chlorotoluene	13.224	91	406822	19.614	ug/l	99
83) tert-Butylbenzene	13.442	119	444747	18.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	503200	19.286	ug/l	100
85) sec-Butylbenzene	13.618	105	634484	19.367	ug/l	99
86) p-Isopropyltoluene	13.736	119	501287	19.469	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	244554	19.661	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	237049	19.325	ug/l	98
89) n-Butylbenzene	14.060	91	416516	19.486	ug/l	99
90) Hexachloroethane	14.342	117	105829	18.798	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	241003	19.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	37075	18.852	ug/l	91
93) 1,2,4-Trichlorobenzene	15.371	180	79725	17.748	ug/l	98
94) Hexachlorobutadiene	15.465	225	47755	18.366	ug/l	99
95) Naphthalene	15.589	128	293535	17.395	ug/l	99
96) 1,2,3-Trichlorobenzene	15.759	180	74926	17.438	ug/l	100

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

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