

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078802.D
 Acq On : 08 Aug 2023 15:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 09 02:49:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/09/2023
 Supervised By : Semsettin Yesilyurt 08/09/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	187951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	318067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	294694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	146796	52.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.200%			
35) Dibromofluoromethane	8.177	113	117162	54.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.100%			
50) Toluene-d8	10.571	98	443542	56.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.220%			
62) 4-Bromofluorobenzene	12.853	95	145453	61.572	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.140%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	118387	42.682	ug/l	97
3) Chloromethane	2.371	50	138561	42.826	ug/l	99
4) Vinyl Chloride	2.524	62	132185	43.269	ug/l	99
5) Bromomethane	2.948	94	83106	38.411	ug/l	96
6) Chloroethane	3.118	64	85741	42.684	ug/l	97
7) Trichlorofluoromethane	3.501	101	179823	42.852	ug/l	95
8) Diethyl Ether	3.965	74	65677	42.893	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.377	101	99678	45.604	ug/l	97
10) Methyl Iodide	4.600	142	129055	45.982	ug/l	100
11) Tert butyl alcohol	5.542	59	93378	188.829	ug/l #	88
12) 1,1-Dichloroethene	4.353	96	95725	43.579	ug/l	94
13) Acrolein	4.195	56	86925	207.752	ug/l	95
14) Allyl chloride	5.030	41	167940	45.918	ug/l #	90
15) Acrylonitrile	5.730	53	274314	213.009	ug/l	100
16) Acetone	4.436	43	267374	246.627	ug/l	88
17) Carbon Disulfide	4.718	76	263336	42.026	ug/l	100
18) Methyl Acetate	5.042	43	197087	40.476	ug/l #	80
19) Methyl tert-butyl Ether	5.806	73	329247	44.372	ug/l	92
20) Methylene Chloride	5.283	84	112640	41.952	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	106902	43.490	ug/l #	82
22) Diisopropyl ether	6.677	45	388514	44.216	ug/l #	91
23) Vinyl Acetate	6.612	43	1421748m	257.844	ug/l	
24) 1,1-Dichloroethane	6.577	63	211254	44.214	ug/l	98
25) 2-Butanone	7.494	43	398997	217.339	ug/l #	73
26) 2,2-Dichloropropane	7.500	77	175461	52.586	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	126983	44.995	ug/l	89
28) Bromochloromethane	7.824	49	129892	50.170	ug/l #	73
29) Tetrahydrofuran	7.847	42	253484	206.335	ug/l #	73
30) Chloroform	7.977	83	216117	44.911	ug/l	93
31) Cyclohexane	8.265	56	172635	41.699	ug/l	83
32) 1,1,1-Trichloroethane	8.177	97	184230	45.041	ug/l	94
36) 1,1-Dichloropropene	8.377	75	159171	47.765	ug/l	96
37) Ethyl Acetate	7.571	43	160869	45.404	ug/l #	88
38) Carbon Tetrachloride	8.371	117	161842	47.112	ug/l	97
39) Methylcyclohexane	9.606	83	152885	49.119	ug/l #	88
40) Benzene	8.612	78	470430	46.674	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	83653	42.464	ug/l #	81
42) 1,2-Dichloroethane	8.677	62	160627	44.338	ug/l	98
43) Isopropyl Acetate	8.700	43	289764	48.508	ug/l #	87
44) Trichloroethene	9.359	130	117173	47.468	ug/l	98
45) 1,2-Dichloropropane	9.630	63	125105	46.301	ug/l	96
46) Dibromomethane	9.718	93	83798	46.598	ug/l	96
47) Bromodichloromethane	9.894	83	168053	46.951	ug/l	92
48) Methyl methacrylate	9.688	41	126721	45.912	ug/l #	79
49) 1,4-Dioxane	9.700	88	40348	900.237	ug/l #	82
51) 4-Methyl-2-Pentanone	10.453	43	820153	224.154	ug/l #	85
52) Toluene	10.635	92	298710	48.528	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	181055	49.506	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	195544	49.214	ug/l #	87
55) 1,1,2-Trichloroethane	11.024	97	115068	47.028	ug/l	98
56) Ethyl methacrylate	10.882	69	175971	49.596	ug/l #	73
57) 1,3-Dichloropropane	11.171	76	198801	46.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	325305	255.381	ug/l	91
59) 2-Hexanone	11.200	43	600653	231.841	ug/l	83
60) Dibromochloromethane	11.365	129	128364	49.986	ug/l	98
61) 1,2-Dibromoethane	11.471	107	111305	45.928	ug/l	96
64) Tetrachloroethene	11.112	164	96082	42.315	ug/l	91
65) Chlorobenzene	11.894	112	299861	44.681	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	117412	45.171	ug/l	97
67) Ethyl Benzene	11.971	91	558114	46.688	ug/l	100
68) m/p-Xylenes	12.076	106	425031	96.374	ug/l	100
69) o-Xylene	12.406	106	197343	45.584	ug/l	92
70) Styrene	12.418	104	336138	49.473	ug/l	98
71) Bromoform	12.582	173	82541	45.528	ug/l #	98
73) Isopropylbenzene	12.700	105	518277	42.585	ug/l	99
74) N-amyl acetate	12.500	43	218840	39.640	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	162629	39.320	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	130859m	39.141	ug/l	
77) Bromobenzene	12.982	156	115453	40.430	ug/l	96
78) n-propylbenzene	13.041	91	593080	44.338	ug/l	98
79) 2-Chlorotoluene	13.129	91	348839	40.592	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	412866	42.348	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	59896	48.073	ug/l #	87
82) 4-Chlorotoluene	13.223	91	345322	43.924	ug/l	100
83) tert-Butylbenzene	13.441	119	345180	42.510	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	404237	43.142	ug/l	97
85) sec-Butylbenzene	13.623	105	464150	43.715	ug/l	99
86) p-Isopropyltoluene	13.735	119	364732	43.202	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	204828	44.910	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	199625	44.155	ug/l	97
89) n-Butylbenzene	14.059	91	276777	43.693	ug/l	99
90) Hexachloroethane	14.335	117	72022	41.160	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	193900	44.132	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23871	37.626	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	57760	46.788	ug/l	98
94) Hexachlorobutadiene	15.506	225	35136	45.992	ug/l	97
95) Naphthalene	15.647	128	170163	41.295	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	62428	42.468	ug/l	96

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

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