

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072723\
 Data File : VN078674.D
 Acq On : 27 Jul 2023 21:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 28 01:13:27 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 07/28/2023
 Supervised By : Semsettin Yesilyurt 07/28/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	750992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1279044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1046818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	433311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	541231	53.758	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.520%			
35) Dibromofluoromethane	8.177	113	455144	52.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.840%			
50) Toluene-d8	10.576	98	1601776	48.835	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.853	95	503034	49.790	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	492378	53.475	ug/l	97
3) Chloromethane	2.371	50	561639	56.120	ug/l	98
4) Vinyl Chloride	2.518	62	587233	45.360	ug/l	96
5) Bromomethane	2.936	94	345669	41.354	ug/l	98
6) Chloroethane	3.112	64	353015	44.881	ug/l	100
7) Trichlorofluoromethane	3.494	101	818418	52.884	ug/l	99
8) Diethyl Ether	3.971	74	286113	55.491	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.383	101	424709	51.843	ug/l	96
10) Methyl Iodide	4.594	142	614088	54.550	ug/l	99
11) Tert butyl alcohol	5.541	59	484964	312.378	ug/l	99
12) 1,1-Dichloroethene	4.347	96	420126	53.017	ug/l	89
13) Acrolein	4.189	56	489276	320.324	ug/l	98
14) Allyl chloride	5.030	41	608528	56.199	ug/l	94
15) Acrylonitrile	5.730	53	1206742	307.642	ug/l	99
16) Acetone	4.441	43	957868	305.429	ug/l	96
17) Carbon Disulfide	4.718	76	1151557	50.255	ug/l	99
18) Methyl Acetate	5.036	43	826513	62.257	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	1485562	56.898	ug/l	98
20) Methylene Chloride	5.288	84	510140	56.878	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	474656	53.154	ug/l #	84
22) Diisopropyl ether	6.683	45	1462287	60.311	ug/l #	90
23) Vinyl Acetate	6.618	43	4687598	304.115	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	903144	55.280	ug/l	97
25) 2-Butanone	7.494	43	1579674	319.986	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	566857	42.422	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	552808	53.514	ug/l	92
28) Bromochloromethane	7.824	49	386684	50.251	ug/l	89
29) Tetrahydrofuran	7.847	42	1024242	316.192	ug/l #	82
30) Chloroform	7.971	83	945887	55.611	ug/l	93
31) Cyclohexane	8.265	56	720427	52.948	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	839990	55.082	ug/l	97
36) 1,1-Dichloropropene	8.377	75	683314	54.505	ug/l	96
37) Ethyl Acetate	7.577	43	631454	60.421	ug/l	95
38) Carbon Tetrachloride	8.371	117	744160	54.615	ug/l	98
39) Methylcyclohexane	9.606	83	650399	56.836	ug/l	89
40) Benzene	8.612	78	2084702	56.129	ug/l	100

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41) Methacrylonitrile	7.788	41	353793	66.406	ug/l	87
42) 1,2-Dichloroethane	8.677	62	713700	56.494	ug/l	98
43) Isopropyl Acetate	8.694	43	1347148	78.295	ug/l #	85
44) Trichloroethene	9.359	130	510534	51.001	ug/l	97
45) 1,2-Dichloropropane	9.629	63	532948	56.655	ug/l	98
46) Dibromomethane	9.718	93	363478	54.899	ug/l	93
47) Bromodichloromethane	9.894	83	738554	55.648	ug/l	98
48) Methyl methacrylate	9.688	41	498681	62.559	ug/l	85
49) 1,4-Dioxane	9.700	88	207285	1192.380	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	3232190	315.817	ug/l	93
52) Toluene	10.635	92	1266821	55.033	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	755009	55.529	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	822976	56.783	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	504176	55.590	ug/l	97
56) Ethyl methacrylate	10.882	69	780532	61.565	ug/l #	87
57) 1,3-Dichloropropane	11.170	76	857858	55.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.171	63	1226811	271.530	ug/l	91
59) 2-Hexanone	11.200	43	2325206	319.673	ug/l	93
60) Dibromochloromethane	11.365	129	541931	54.125	ug/l	99
61) 1,2-Dibromoethane	11.476	107	506690	54.233	ug/l	97
64) Tetrachloroethene	11.112	164	418467	53.171	ug/l	97
65) Chlorobenzene	11.900	112	1240879	53.032	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	482245	53.574	ug/l	98
67) Ethyl Benzene	11.970	91	2228147	56.335	ug/l	96
68) m/p-Xylenes	12.076	106	1661166	113.596	ug/l	96
69) o-Xylene	12.406	106	798291	54.046	ug/l	93
70) Styrene	12.417	104	1307014	56.561	ug/l	97
71) Bromoform	12.588	173	344548	56.517	ug/l #	99
73) Isopropylbenzene	12.700	105	1993336	48.957	ug/l	100
74) N-amyl acetate	12.500	43	765940	54.588	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	655273	58.124	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	543038m	51.848	ug/l	
77) Bromobenzene	12.988	156	473965	53.642	ug/l	99
78) n-propylbenzene	13.041	91	2218906	50.959	ug/l	99
79) 2-Chlorotoluene	13.129	91	1436488	50.365	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1666800	51.811	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	193384	48.520	ug/l #	82
82) 4-Chlorotoluene	13.223	91	1373662	51.628	ug/l	99
83) tert-Butylbenzene	13.447	119	1349608	49.413	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1592253	50.955	ug/l	100
85) sec-Butylbenzene	13.623	105	1717221	49.741	ug/l	99
86) p-Isopropyltoluene	13.735	119	1411754	50.927	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	769676	49.242	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	749769	47.623	ug/l	100
89) n-Butylbenzene	14.064	91	1053199	53.099	ug/l	98
90) Hexachloroethane	14.341	117	265868	52.217	ug/l	82
91) 1,2-Dichlorobenzene	14.111	146	735442	47.280	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	78294	39.775	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	180903	36.439	ug/l	97
94) Hexachlorobutadiene	15.505	225	115706	44.607	ug/l	99
95) Naphthalene	15.647	128	542270	31.951	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	199155	34.888	ug/l	94

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

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