

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078676.D
 Acq On : 28 Jul 2023 10:23
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 00:43:11 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	481220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	780701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	704826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	305852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	304565	47.210	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.420%		
35) Dibromofluoromethane	8.171	113	281701	53.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.300%		
50) Toluene-d8	10.571	98	999642	49.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.860%		
62) 4-Bromofluorobenzene	12.853	95	331804	53.806	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	342910	58.120	ug/l	98
3) Chloromethane	2.371	50	378270	58.987	ug/l	97
4) Vinyl Chloride	2.518	62	545065	65.706	ug/l	98
5) Bromomethane	2.942	94	297848	57.512	ug/l	97
6) Chloroethane	3.118	64	350663	70.673	ug/l	95
7) Trichlorofluoromethane	3.500	101	495006	49.918	ug/l	98
8) Diethyl Ether	3.971	74	162779	49.269	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.377	101	273921	52.182	ug/l	95
10) Methyl Iodide	4.600	142	386823	53.625	ug/l	97
11) Tert butyl alcohol	5.536	59	249741	251.045	ug/l	99
12) 1,1-Dichloroethene	4.347	96	258197	50.849	ug/l	93
13) Acrolein	4.189	56	248960	254.364	ug/l	97
14) Allyl chloride	5.036	41	359037	51.746	ug/l	95
15) Acrylonitrile	5.730	53	632044	251.460	ug/l	98
16) Acetone	4.442	43	545300	271.351	ug/l	94
17) Carbon Disulfide	4.718	76	691039	47.064	ug/l	98
18) Methyl Acetate	5.036	43	419167	49.274	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	849929	50.802	ug/l	96
20) Methylene Chloride	5.289	84	310248	53.919	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	293363	51.269	ug/l	88
22) Diisopropyl ether	6.683	45	818794	52.702	ug/l #	94
23) Vinyl Acetate	6.612	43	2623335	265.603	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	524607	50.112	ug/l	97
25) 2-Butanone	7.494	43	818620	258.784	ug/l	91
26) 2,2-Dichloropropane	7.500	77	448395	52.368	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	341060	51.524	ug/l	94
28) Bromochloromethane	7.824	49	242887	49.259	ug/l	95
29) Tetrahydrofuran	7.847	42	521828	251.401	ug/l	86
30) Chloroform	7.977	83	573699	52.637	ug/l	93
31) Cyclohexane	8.265	56	411420	47.189	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	513273	52.526	ug/l	99
36) 1,1-Dichloropropene	8.377	75	411539	53.780	ug/l	99
37) Ethyl Acetate	7.571	43	346176	54.268	ug/l #	93
38) Carbon Tetrachloride	8.371	117	466525	56.095	ug/l	96
39) Methylcyclohexane	9.612	83	393999	56.407	ug/l	95
40) Benzene	8.612	78	1251064	55.185	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	173295	53.290	ug/l	95
42) 1,2-Dichloroethane	8.677	62	419900	54.455	ug/l	99
43) Isopropyl Acetate	8.694	43	608468	57.937	ug/l #	93
44) Trichloroethene	9.359	130	330675	54.120	ug/l	95
45) 1,2-Dichloropropane	9.629	63	320375	55.797	ug/l	96
46) Dibromomethane	9.718	93	227629	56.326	ug/l	91
47) Bromodichloromethane	9.894	83	449304	55.463	ug/l	98
48) Methyl methacrylate	9.688	41	271052	55.708	ug/l	89
49) 1,4-Dioxane	9.706	88	118988	1121.374	ug/l	91
51) 4-Methyl-2-Pentanone	10.453	43	1767868	283.002	ug/l	94
52) Toluene	10.635	92	788307	56.105	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	472244	56.903	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	513416	58.037	ug/l	98
55) 1,1,2-Trichloroethane	11.023	97	318186	57.477	ug/l	98
56) Ethyl methacrylate	10.882	69	450350	58.196	ug/l	93
57) 1,3-Dichloropropane	11.171	76	517518	54.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	737641	267.476	ug/l	94
59) 2-Hexanone	11.200	43	1267536	285.500	ug/l	94
60) Dibromochloromethane	11.365	129	356725	58.370	ug/l	100
61) 1,2-Dibromoethane	11.476	107	322850	56.614	ug/l	99
64) Tetrachloroethene	11.112	164	282455	53.303	ug/l	93
65) Chlorobenzene	11.894	112	853699	54.188	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	332821	54.914	ug/l	99
67) Ethyl Benzene	11.970	91	1505399	56.529	ug/l	99
68) m/p-Xylenes	12.076	106	1145235	116.314	ug/l	96
69) o-Xylene	12.406	106	559915	56.301	ug/l	98
70) Styrene	12.418	104	912535	58.651	ug/l	98
71) Bromoform	12.582	173	239640	58.382	ug/l #	100
73) Isopropylbenzene	12.700	105	1418656	49.363	ug/l	99
74) N-amyl acetate	12.500	43	473362	47.795	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	437708	54.829	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	356419m	48.212	ug/l	
77) Bromobenzene	12.982	156	343758	55.163	ug/l	93
78) n-propylbenzene	13.041	91	1585355	51.582	ug/l	99
79) 2-Chlorotoluene	13.129	91	993789	49.364	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1155393	50.882	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	137388	48.835	ug/l	93
82) 4-Chlorotoluene	13.229	91	940715	50.091	ug/l	97
83) tert-Butylbenzene	13.441	119	963358	49.970	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	1126793	51.087	ug/l	97
85) sec-Butylbenzene	13.623	105	1222844	50.182	ug/l	99
86) p-Isopropyltoluene	13.735	119	1007679	51.499	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	574673	52.088	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	557135	50.135	ug/l	99
89) n-Butylbenzene	14.064	91	743815	53.129	ug/l	98
90) Hexachloroethane	14.335	117	198584	55.304	ug/l	77
91) 1,2-Dichlorobenzene	14.111	146	553163	50.381	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	68645	49.889	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	172800	49.313	ug/l	97
94) Hexachlorobutadiene	15.506	225	105056	58.671	ug/l	98
95) Naphthalene	15.647	128	500805	41.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	187336	46.494	ug/l	97

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

