

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071723\
 Data File : VN078548.D
 Acq On : 17 Jul 2023 17:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 04:27:38 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	534215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	796954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	721518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	305414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	311228	43.457	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.920%		
35) Dibromofluoromethane	8.171	113	271842	50.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.500%		
50) Toluene-d8	10.570	98	932524	45.629	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.260%		
62) 4-Bromofluorobenzene	12.853	95	301265	47.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	251556	38.407	ug/l	97
3) Chloromethane	2.371	50	323408	45.429	ug/l	98
4) Vinyl Chloride	2.518	62	403976	43.867	ug/l	99
5) Bromomethane	2.942	94	249285	42.001	ug/l	99
6) Chloroethane	3.112	64	236867	42.221	ug/l	99
7) Trichlorofluoromethane	3.500	101	451806	41.042	ug/l	96
8) Diethyl Ether	3.971	74	157224	42.867	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	249510	42.816	ug/l	96
10) Methyl Iodide	4.594	142	342978	42.830	ug/l	98
11) Tert butyl alcohol	5.541	59	240162	217.467	ug/l	100
12) 1,1-Dichloroethene	4.353	96	232868	41.311	ug/l	98
13) Acrolein	4.189	56	231817	213.353	ug/l	98
14) Allyl chloride	5.030	41	313699	40.727	ug/l	95
15) Acrylonitrile	5.736	53	627228	224.789	ug/l	100
16) Acetone	4.441	43	477199	213.906	ug/l	100
17) Carbon Disulfide	4.718	76	583542	35.800	ug/l	99
18) Methyl Acetate	5.041	43	411562	43.580	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	812389	43.741	ug/l	97
20) Methylene Chloride	5.289	84	287172	44.749	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	268213	42.224	ug/l	89
22) Diisopropyl ether	6.683	45	787625	45.667	ug/l	94
23) Vinyl Acetate	6.618	43	2446083	223.089	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	498066	42.857	ug/l	97
25) 2-Butanone	7.494	43	791083	225.270	ug/l	88
26) 2,2-Dichloropropane	7.494	77	420236	44.211	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	325525	44.299	ug/l	94
28) Bromochloromethane	7.824	49	210546	38.464	ug/l	96
29) Tetrahydrofuran	7.847	42	514212	223.157	ug/l	85
30) Chloroform	7.977	83	547178	45.224	ug/l	95
31) Cyclohexane	8.259	56	412614	42.631	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	522297	48.147	ug/l	98
36) 1,1-Dichloropropene	8.377	75	421992	54.022	ug/l	98
37) Ethyl Acetate	7.571	43	339381	52.118	ug/l #	93
38) Carbon Tetrachloride	8.371	117	465870	54.874	ug/l	98
39) Methylcyclohexane	9.606	83	365213	51.220	ug/l	93
40) Benzene	8.612	78	1251072	54.060	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	170694	51.420	ug/l	91
42) 1,2-Dichloroethane	8.677	62	429303	54.539	ug/l	98
43) Isopropyl Acetate	8.700	43	602787	56.225	ug/l	95
44) Trichloroethene	9.359	130	304228	48.776	ug/l	97
45) 1,2-Dichloropropane	9.629	63	305989	52.205	ug/l	99
46) Dibromomethane	9.718	93	210368	50.994	ug/l	91
47) Bromodichloromethane	9.894	83	433958	52.476	ug/l	96
48) Methyl methacrylate	9.688	41	264379	53.228	ug/l	87
49) 1,4-Dioxane	9.706	88	113009	1043.307	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1733101	271.778	ug/l	93
52) Toluene	10.635	92	743375	51.828	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	445931	52.636	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	483209	53.508	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	302265	53.488	ug/l	97
56) Ethyl methacrylate	10.882	69	434011	54.941	ug/l	92
57) 1,3-Dichloropropane	11.170	76	494264	51.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	772114	274.267	ug/l	93
59) 2-Hexanone	11.200	43	1227721	270.892	ug/l	93
60) Dibromochloromethane	11.365	129	330746	53.015	ug/l	99
61) 1,2-Dibromoethane	11.476	107	301757	51.836	ug/l	99
64) Tetrachloroethene	11.112	164	268148	49.432	ug/l	94
65) Chlorobenzene	11.900	112	797011	49.419	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	313180	50.478	ug/l	97
67) Ethyl Benzene	11.970	91	1406451	51.592	ug/l	100
68) m/p-Xylenes	12.076	106	1065109	105.674	ug/l	96
69) o-Xylene	12.406	106	519114	50.991	ug/l	97
70) Styrene	12.417	104	861511	54.091	ug/l	99
71) Bromoform	12.582	173	220958	52.585	ug/l #	99
73) Isopropylbenzene	12.700	105	1320562	46.016	ug/l	99
74) N-amyl acetate	12.500	43	446314	45.128	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	429195	53.780	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	346244m	46.902	ug/l	
77) Bromobenzene	12.988	156	308489	49.412	ug/l	97
78) n-propylbenzene	13.041	91	1485096	48.389	ug/l	99
79) 2-Chlorotoluene	13.129	91	934428	46.482	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	1084979	47.849	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	144908	51.582	ug/l	91
82) 4-Chlorotoluene	13.229	91	881230	46.990	ug/l	98
83) tert-Butylbenzene	13.447	119	896273	46.557	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1086121	49.313	ug/l	99
85) sec-Butylbenzene	13.623	105	1160804	47.704	ug/l	100
86) p-Isopropyltoluene	13.735	119	952296	48.738	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	536983	48.741	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	511764	46.118	ug/l	99
89) n-Butylbenzene	14.064	91	733102	52.438	ug/l	98
90) Hexachloroethane	14.341	117	179223	49.904	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	519218	47.357	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	66752	48.530	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	168606	48.185	ug/l	97
94) Hexachlorobutadiene	15.505	225	92647	51.288	ug/l	99
95) Naphthalene	15.647	128	503345	42.077	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	182195	45.283	ug/l	98

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

