

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078450.D
 Acq On : 10 Jul 2023 12:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 15:53:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 15:52:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	511467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	903394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	791641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	329469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	338670	49.392	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.780%		
35) Dibromofluoromethane	8.177	113	298691	48.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.420%		
50) Toluene-d8	10.571	98	1130269	48.788	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.580%		
62) 4-Bromofluorobenzene	12.853	95	358906	50.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	299933	47.830	ug/l	97
3) Chloromethane	2.371	50	313827	46.044	ug/l	100
4) Vinyl Chloride	2.518	62	415635	47.140	ug/l	99
5) Bromomethane	2.954	94	291038	52.428	ug/l	99
6) Chloroethane	3.118	64	291365	54.814	ug/l	99
7) Trichlorofluoromethane	3.501	101	502650	47.691	ug/l	96
8) Diethyl Ether	3.971	74	176460	50.251	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	274815	49.256	ug/l	96
10) Methyl Iodide	4.600	142	384209	50.113	ug/l	96
11) Tert butyl alcohol	5.536	59	261821	247.624	ug/l	99
12) 1,1-Dichloroethene	4.348	96	265593	49.212	ug/l	92
13) Acrolein	4.189	56	263797	253.584	ug/l	98
14) Allyl chloride	5.036	41	358576	48.623	ug/l	95
15) Acrylonitrile	5.730	53	672900	251.883	ug/l	99
16) Acetone	4.442	43	506777	237.268	ug/l	97
17) Carbon Disulfide	4.718	76	736661	47.204	ug/l	97
18) Methyl Acetate	5.036	43	442186	48.906	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	904029	50.840	ug/l	97
20) Methylene Chloride	5.283	84	314383	50.182	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	302992	49.821	ug/l	91
22) Diisopropyl ether	6.683	45	845665	51.213	ug/l #	94
23) Vinyl Acetate	6.612	43	2765637	263.451	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	550375	49.464	ug/l	98
25) 2-Butanone	7.489	43	844994	251.324	ug/l	88
26) 2,2-Dichloropropane	7.500	77	452793	49.755	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	351806	50.005	ug/l	94
28) Bromochloromethane	7.818	49	262465	50.081	ug/l	92
29) Tetrahydrofuran	7.847	42	565312	256.244	ug/l #	84
30) Chloroform	7.977	83	585983	50.585	ug/l	93
31) Cyclohexane	8.265	56	424317	45.790	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	528160	50.853	ug/l	97
36) 1,1-Dichloropropene	8.377	75	430695	48.640	ug/l	97
37) Ethyl Acetate	7.571	43	369467	50.053	ug/l #	94
38) Carbon Tetrachloride	8.365	117	474963	49.353	ug/l	96
39) Methylcyclohexane	9.606	83	402713	49.825	ug/l	91
40) Benzene	8.612	78	1303523	49.690	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	184972	49.156	ug/l	92
42) 1,2-Dichloroethane	8.677	62	428689	48.044	ug/l	98
43) Isopropyl Acetate	8.694	43	609663	50.167	ug/l	94
44) Trichloroethene	9.359	130	335140	47.401	ug/l	96
45) 1,2-Dichloropropane	9.630	63	323797	48.734	ug/l	99
46) Dibromomethane	9.718	93	234496	50.145	ug/l	93
47) Bromodichloromethane	9.894	83	467677	49.891	ug/l	97
48) Methyl methacrylate	9.688	41	289338	51.390	ug/l	88
49) 1,4-Dioxane	9.700	88	121954	993.233	ug/l	96
51) 4-Methyl-2-Pentanone	10.453	43	1852478	256.271	ug/l	94
52) Toluene	10.635	92	814804	50.115	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	490353	51.060	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	533674	52.134	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	316794	49.454	ug/l	96
56) Ethyl methacrylate	10.882	69	476305	53.191	ug/l	93
57) 1,3-Dichloropropane	11.171	76	542990	49.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	835934	261.951	ug/l	94
59) 2-Hexanone	11.200	43	1344833	261.771	ug/l	92
60) Dibromochloromethane	11.365	129	361937	51.179	ug/l	99
61) 1,2-Dibromoethane	11.476	107	332161	50.336	ug/l	97
64) Tetrachloroethene	11.106	164	295482	49.646	ug/l	97
65) Chlorobenzene	11.900	112	866971	48.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	339102	49.815	ug/l	98
67) Ethyl Benzene	11.971	91	1539468	51.469	ug/l	98
68) m/p-Xylenes	12.076	106	1167599	105.581	ug/l	98
69) o-Xylene	12.406	106	568790	50.921	ug/l	97
70) Styrene	12.418	104	926334	53.009	ug/l	98
71) Bromoform	12.582	173	241874	52.464	ug/l #	98
73) Isopropylbenzene	12.700	105	1429692	46.181	ug/l	99
74) N-amyl acetate	12.500	43	501898	47.043	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	451410	52.351	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	366977m	46.134	ug/l	
77) Bromobenzene	12.988	156	340936	50.662	ug/l	97
78) n-propylbenzene	13.041	91	1589295	48.003	ug/l	99
79) 2-Chlorotoluene	13.129	91	993931	45.832	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1148553	46.955	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	141562	46.712	ug/l	87
82) 4-Chlorotoluene	13.229	91	951921	47.054	ug/l	98
83) tert-Butylbenzene	13.441	119	964839	46.459	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	1133229	47.696	ug/l	98
85) sec-Butylbenzene	13.623	105	1229885	46.853	ug/l	98
86) p-Isopropyltoluene	13.735	119	1014504	48.131	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	575254	48.403	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	567782	47.430	ug/l	98
89) n-Butylbenzene	14.059	91	764971	50.723	ug/l	97
90) Hexachloroethane	14.335	117	190986	49.287	ug/l	83
91) 1,2-Dichlorobenzene	14.112	146	568034	48.027	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	74837	50.514	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	200731	53.177	ug/l	98
94) Hexachlorobutadiene	15.506	225	106143	54.749	ug/l	98
95) Naphthalene	15.647	128	653821	50.666	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	217418	50.092	ug/l	99

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

