

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020323\
 Data File : VN076525.D
 Acq On : 03 Feb 2023 11:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 03 22:13:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	541836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	883567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	813572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	405499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	323186	53.271	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.540%			
35) Dibromofluoromethane	8.171	113	295394	53.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.880%			
50) Toluene-d8	10.565	98	1072722	52.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.847	95	419285	62.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 125.840%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	304910	54.914	ug/l	98
3) Chloromethane	2.371	50	299088	52.025	ug/l	98
4) Vinyl Chloride	2.530	62	276018	39.156	ug/l	97
5) Bromomethane	2.959	94	208000	36.032	ug/l	95
6) Chloroethane	3.124	64	184011	34.812	ug/l	100
7) Trichlorofluoromethane	3.512	101	526462	54.285	ug/l	96
8) Diethyl Ether	3.977	74	184176	56.620	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.389	101	303128	55.214	ug/l	96
10) Methyl Iodide	4.600	142	456679	54.457	ug/l	99
11) Tert butyl alcohol	5.530	59	218579	269.359	ug/l	99
12) 1,1-Dichloroethene	4.353	96	282519	54.437	ug/l	86
13) Acrolein	4.189	56	268480	276.654	ug/l	99
14) Allyl chloride	5.036	41	359461	59.435	ug/l	91
15) Acrylonitrile	5.730	53	590598	255.757	ug/l	100
16) Acetone	4.442	43	613062	315.243	ug/l	99
17) Carbon Disulfide	4.724	76	741933	57.415	ug/l	97
18) Methyl Acetate	5.036	43	327803	49.734	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	946199	56.003	ug/l	99
20) Methylene Chloride	5.283	84	315239	54.836	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	310523	55.230	ug/l	98
22) Diisopropyl ether	6.683	45	841118	58.974	ug/l	96
23) Vinyl Acetate	6.612	43	2703355	293.276	ug/l	99
24) 1,1-Dichloroethane	6.577	63	523590	55.074	ug/l	99
25) 2-Butanone	7.488	43	776317	261.354	ug/l	95
26) 2,2-Dichloropropane	7.494	77	475918	59.395	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	362212	55.237	ug/l	98
28) Bromochloromethane	7.818	49	204120	52.971	ug/l	97
29) Tetrahydrofuran	7.841	42	475078	259.143	ug/l	97
30) Chloroform	7.971	83	575612	54.718	ug/l	96
31) Cyclohexane	8.265	56	487185	52.275	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	534106	55.611	ug/l	95
36) 1,1-Dichloropropene	8.377	75	432586	55.079	ug/l	99
37) Ethyl Acetate	7.565	43	308270	48.936	ug/l	99
38) Carbon Tetrachloride	8.365	117	475341	54.273	ug/l	98
39) Methylcyclohexane	9.606	83	564705	58.879	ug/l	97
40) Benzene	8.612	78	1280377	54.521	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	179168	54.320	ug/l	97
42) 1,2-Dichloroethane	8.677	62	421472	52.454	ug/l	100
43) Isopropyl Acetate	8.694	43	539249	52.620	ug/l	99
44) Trichloroethene	9.353	130	347500	52.318	ug/l	96
45) 1,2-Dichloropropane	9.624	63	300806	53.499	ug/l	99
46) Dibromomethane	9.712	93	214144	50.444	ug/l	98
47) Bromodichloromethane	9.888	83	455499	55.322	ug/l	99
48) Methyl methacrylate	9.682	41	253278	52.205	ug/l	94
49) 1,4-Dioxane	9.700	88	105205	1027.679	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	1529191	254.188	ug/l	98
52) Toluene	10.629	92	849918	54.119	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	486583	61.994	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	527843	58.455	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	317440	52.881	ug/l	98
56) Ethyl methacrylate	10.877	69	466426	60.185	ug/l #	93
57) 1,3-Dichloropropane	11.165	76	526478	53.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	689959	263.715	ug/l	99
59) 2-Hexanone	11.194	43	1147765	263.277	ug/l	97
60) Dibromochloromethane	11.359	129	356527	56.420	ug/l	99
61) 1,2-Dibromoethane	11.471	107	326396	54.473	ug/l	100
64) Tetrachloroethene	11.106	164	347630	47.381	ug/l	96
65) Chlorobenzene	11.894	112	900740	52.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	336193	52.541	ug/l	99
67) Ethyl Benzene	11.965	91	1666476	56.618	ug/l	100
68) m/p-Xylenes	12.071	106	1311060	111.083	ug/l	98
69) o-Xylene	12.400	106	640012	55.218	ug/l	96
70) Styrene	12.412	104	1070784	57.859	ug/l	98
71) Bromoform	12.576	173	248702	53.820	ug/l #	100
73) Isopropylbenzene	12.694	105	1697618	54.117	ug/l	99
74) N-amyl acetate	12.494	43	478823	53.065	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	423121	46.920	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	382025m	51.748	ug/l	
77) Bromobenzene	12.982	156	384920	52.512	ug/l	96
78) n-propylbenzene	13.035	91	1988098	56.168	ug/l	99
79) 2-Chlorotoluene	13.129	91	1177736	54.224	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1467602	55.845	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	136483	56.001	ug/l	97
82) 4-Chlorotoluene	13.129	91	1177736	54.224	ug/l	97
83) tert-Butylbenzene	13.441	119	1277442	54.653	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1473912	55.932	ug/l	98
85) sec-Butylbenzene	13.618	105	1836138	56.613	ug/l	99
86) p-Isopropyltoluene	13.729	119	1566191	58.724	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	754089	51.002	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	742010	52.751	ug/l	98
89) n-Butylbenzene	14.059	91	1338676	63.230	ug/l	99
90) Hexachloroethane	14.335	117	265352	57.647	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	745848	50.647	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	76991	49.116	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	397702	55.737	ug/l	98
94) Hexachlorobutadiene	15.506	225	217207	55.582	ug/l	98
95) Naphthalene	15.641	128	1095955	51.944	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	372025	54.737	ug/l	99

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

