

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070255.D
 Acq On : 20 Dec 2021 21:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 21 04:10:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	958960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1626871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1537189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	657564	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	761386	51.42	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.84%			
35) Dibromofluoromethane	8.021	113	529793	51.99	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.98%			
50) Toluene-d8	10.440	98	2075443	50.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.44%			
62) 4-Bromofluorobenzene	12.728	95	805274	54.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.64%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	430245	38.47	ug/l	97
3) Chloromethane	2.303	50	540661	38.58	ug/l	99
4) Vinyl Chloride	2.448	62	513531	39.86	ug/l	98
5) Bromomethane	2.842	94	281567	40.22	ug/l	98
6) Chloroethane	3.014	64	325402	41.21	ug/l	98
7) Trichlorofluoromethane	3.376	101	710264	42.00	ug/l	99
8) Diethyl Ether	3.821	74	328785	50.48	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.208	101	443773	46.82	ug/l	97
10) Methyl Iodide	4.419	142	587675	45.38	ug/l	98
11) Tert butyl alcohol	5.377	59	608999	217.60	ug/l	99
12) 1,1-Dichloroethene	4.181	96	423427	46.35	ug/l	91
13) Acrolein	4.039	56	743269	311.85	ug/l	100
14) Allyl chloride	4.838	41	979812	47.60	ug/l	92
15) Acrylonitrile	5.554	53	1770671	234.79	ug/l	99
16) Acetone	4.285	43	1767267	198.42	ug/l	97
17) Carbon Disulfide	4.527	76	835696	35.41	ug/l	99
18) Methyl Acetate	4.854	43	1232820	45.86	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	1870731	52.67	ug/l	96
20) Methylene Chloride	5.093	84	543527	45.90	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	445848	44.94	ug/l #	84
22) Diisopropyl ether	6.495	45	2132211	53.00	ug/l	93
23) Vinyl Acetate	6.434	43	8311649	253.94	ug/l	94
24) 1,1-Dichloroethane	6.388	63	1040758	49.94	ug/l	97
25) 2-Butanone	7.335	43	2683497	221.75	ug/l	91
26) 2,2-Dichloropropane	7.324	77	799179	49.32	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	578813	48.29	ug/l	86
28) Bromochloromethane	7.657	49	535897	49.45	ug/l #	78
29) Tetrahydrofuran	7.683	42	1690227	230.01	ug/l	88
30) Chloroform	7.817	83	1038994	49.36	ug/l	99
31) Cyclohexane	8.094	56	888430	43.12	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	865570	48.28	ug/l	96
36) 1,1-Dichloropropene	8.220	75	715905	46.23	ug/l	96
37) Ethyl Acetate	7.413	43	1048283	45.48	ug/l	96
38) Carbon Tetrachloride	8.206	117	679751	44.76	ug/l	98
39) Methylcyclohexane	9.459	83	823205	44.69	ug/l	90
40) Benzene	8.459	78	2219193	46.88	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	515643	47.65	ug/l	90
42) 1,2-Dichloroethane	8.528	62	913148	47.78	ug/l	97
43) Isopropyl Acetate	8.560	43	1670903	48.98	ug/l #	94
44) Trichloroethene	9.215	130	523683	46.35	ug/l	89
45) 1,2-Dichloropropane	9.488	63	630085	49.57	ug/l	100
46) Dibromomethane	9.577	93	390650	46.86	ug/l	94
47) Bromodichloromethane	9.762	83	779477	49.38	ug/l	99
48) Methyl methacrylate	9.558	41	755555	47.46	ug/l	89
49) 1,4-Dioxane	9.569	88	233636	817.95	ug/l #	84
51) 4-Methyl-2-Pentanone	10.328	43	5443407	245.98	ug/l	96
52) Toluene	10.505	92	1375860	47.61	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	853082	45.21	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	922996	46.46	ug/l	90
55) 1,1,2-Trichloroethane	10.896	97	578173	49.58	ug/l	98
56) Ethyl methacrylate	10.760	69	1015183	46.32	ug/l	89
57) 1,3-Dichloropropane	11.044	76	1024369	49.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1497537	251.89	ug/l	91
59) 2-Hexanone	11.084	43	3927846	234.64	ug/l	94
60) Dibromochloromethane	11.237	129	548461	44.19	ug/l	99
61) 1,2-Dibromoethane	11.344	107	584695	48.41	ug/l	99
64) Tetrachloroethene	10.977	164	480003	46.05	ug/l	97
65) Chlorobenzene	11.768	112	1494004	47.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	534934	48.74	ug/l	99
67) Ethyl Benzene	11.843	91	2782905	49.13	ug/l	96
68) m/p-Xylenes	11.950	106	2006359	97.28	ug/l	91
69) o-Xylene	12.278	106	1028577	49.51	ug/l	92
70) Styrene	12.294	104	1704308	51.73	ug/l	95
71) Bromoform	12.457	173	395621	42.57	ug/l #	99
73) Isopropylbenzene	12.575	105	2721064	46.51	ug/l	98
74) N-amyl acetate	12.388	43	1257084	48.59	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	912730	45.12	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	865655m	45.91	ug/l	
77) Bromobenzene	12.860	156	630201	45.86	ug/l	78
78) n-propylbenzene	12.919	91	3078263	47.28	ug/l	96
79) 2-Chlorotoluene	13.004	91	1929373	46.90	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2237766	47.52	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	239236	42.21	ug/l	92
82) 4-Chlorotoluene	13.104	91	1836798	47.48	ug/l	92
83) tert-Butylbenzene	13.321	119	1987286	47.66	ug/l	92
84) 1,2,4-Trimethylbenzene	13.367	105	2184120	48.70	ug/l	97
85) sec-Butylbenzene	13.501	105	2737243	48.40	ug/l	98
86) p-Isopropyltoluene	13.613	119	2183560	49.39	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	1046238	46.34	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1017950	45.88	ug/l	97
89) n-Butylbenzene	13.940	91	1785646	49.79	ug/l	98
90) Hexachloroethane	14.209	117	344077	44.33	ug/l	88
91) 1,2-Dichlorobenzene	13.986	146	1025673	46.63	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	163909	44.84	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	522255	48.50	ug/l	98
94) Hexachlorobutadiene	15.367	225	297140	50.97	ug/l	99
95) Naphthalene	15.504	128	1548472	48.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	509434	48.53	ug/l	98

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

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