

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070234.D
 Acq On : 20 Dec 2021 12:30
 Operator : JC/MD
 Sample : VN1220WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 15:10:34 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	8.083	168	960222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1559001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1422204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	587655	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	718209	48.44	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.88%		
35) Dibromofluoromethane	8.021	113	487249	49.90	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.80%		
50) Toluene-d8	10.440	98	1874983	47.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.64%		
62) 4-Bromofluorobenzene	12.731	95	682214	48.03	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.06%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	182001	16.25	ug/l	97
3) Chloromethane	2.303	50	230283	16.41	ug/l	97
4) Vinyl Chloride	2.448	62	216982	16.82	ug/l	99
5) Bromomethane	2.861	94	129225	18.44	ug/l	100
6) Chloroethane	3.025	64	138869	17.57	ug/l	96
7) Trichlorofluoromethane	3.379	101	296871	17.53	ug/l	99
8) Diethyl Ether	3.827	74	137031	21.01	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.213	101	190501	20.07	ug/l	96
10) Methyl Iodide	4.422	142	236090	18.21	ug/l #	94
11) Tert butyl alcohol	5.374	59	230047	82.09	ug/l #	83
12) 1,1-Dichloroethene	4.181	96	169739	18.56	ug/l	87
13) Acrolein	4.044	56	236990	99.30	ug/l	99
14) Allyl chloride	4.843	41	405679	19.68	ug/l	90
15) Acrylonitrile	5.554	53	709717	93.98	ug/l	98
16) Acetone	4.285	43	809992	90.82	ug/l	97
17) Carbon Disulfide	4.529	76	371292	15.71	ug/l	99
18) Methyl Acetate	4.856	43	502066	18.65	ug/l	91
19) Methyl tert-butyl Ether	5.615	73	750921	21.11	ug/l	95
20) Methylene Chloride	5.095	84	229548	19.36	ug/l	87
21) trans-1,2-Dichloroethene	5.599	96	182374	18.36	ug/l	85
22) Diisopropyl ether	6.495	45	892259	22.15	ug/l	94
23) Vinyl Acetate	6.434	43	3410596	104.07	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	428878	20.55	ug/l	98
25) 2-Butanone	7.335	43	1088497	89.83	ug/l	91
26) 2,2-Dichloropropane	7.324	77	333432	20.55	ug/l	95
27) cis-1,2-Dichloroethene	7.324	96	233265	19.43	ug/l	85
28) Bromochloromethane	7.656	49	192023	17.70	ug/l #	78
29) Tetrahydrofuran	7.686	42	678535	92.22	ug/l	87
30) Chloroform	7.817	83	435557	20.67	ug/l	97
31) Cyclohexane	8.094	56	390849	18.94	ug/l	89
32) 1,1,1-Trichloroethane	8.013	97	350209	19.51	ug/l	97
36) 1,1-Dichloropropene	8.220	75	293375	19.77	ug/l	96
37) Ethyl Acetate	7.410	43	425081	19.24	ug/l	95
38) Carbon Tetrachloride	8.206	117	278251	19.12	ug/l	98
39) Methylcyclohexane	9.459	83	339133	19.21	ug/l	88
40) Benzene	8.458	78	920091	20.28	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	212151	20.46	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	375896	20.53	ug/l	98
43) Isopropyl Acetate	8.560	43	651402	19.93	ug/l	95
44) Trichloroethene	9.215	130	210640	19.45	ug/l	87
45) 1,2-Dichloropropane	9.488	63	259823	21.33	ug/l	100
46) Dibromomethane	9.574	93	161666	20.24	ug/l	94
47) Bromodichloromethane	9.762	83	325418	21.51	ug/l	98
48) Methyl methacrylate	9.558	41	299670	19.64	ug/l	85
49) 1,4-Dioxane	9.569	88	95373	348.43	ug/l #	84
51) 4-Methyl-2-Pentanone	10.330	43	2107386	99.38	ug/l	96
52) Toluene	10.505	92	559498	20.20	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	330832	19.96	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	370762	20.64	ug/l	90
55) 1,1,2-Trichloroethane	10.896	97	234168	20.96	ug/l	97
56) Ethyl methacrylate	10.760	69	382278	19.58	ug/l #	89
57) 1,3-Dichloropropane	11.044	76	419608	21.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	410216	85.14	ug/l	91
59) 2-Hexanone	11.084	43	1501565	93.60	ug/l	94
60) Dibromochloromethane	11.237	129	222385	20.07	ug/l	100
61) 1,2-Dibromoethane	11.344	107	229415	19.82	ug/l	99
64) Tetrachloroethene	10.977	164	196574	20.38	ug/l	96
65) Chlorobenzene	11.768	112	593973	20.59	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	215691	21.24	ug/l	98
67) Ethyl Benzene	11.843	91	1092039	20.84	ug/l	96
68) m/p-Xylenes	11.950	106	806932	42.29	ug/l	93
69) o-Xylene	12.278	106	397823	20.70	ug/l	90
70) Styrene	12.294	104	635622	20.85	ug/l	95
71) Bromoform	12.457	173	154206	19.52	ug/l #	100
73) Isopropylbenzene	12.578	105	1051221	20.11	ug/l	98
74) N-amyl acetate	12.387	43	435762	18.85	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.827	83	363146	20.09	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	327667m	19.44	ug/l	
77) Bromobenzene	12.860	156	240306	19.57	ug/l	77
78) n-propylbenzene	12.919	91	1185742	20.38	ug/l	96
79) 2-Chlorotoluene	13.007	91	748171	20.35	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	861675	20.48	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	86407	19.48	ug/l	93
82) 4-Chlorotoluene	13.104	91	709705	20.53	ug/l	91
83) tert-Butylbenzene	13.321	119	743017	19.94	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	846058	21.11	ug/l	96
85) sec-Butylbenzene	13.500	105	1020126	20.18	ug/l	97
86) p-Isopropyltoluene	13.616	119	809715	20.49	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	410016	20.32	ug/l	98
88) 1,4-Dichlorobenzene	13.694	146	391870	19.76	ug/l	96
89) n-Butylbenzene	13.940	91	631179	19.69	ug/l	97
90) Hexachloroethane	14.209	117	131017	18.89	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	399541	20.32	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	58147	17.80	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	177941	20.27	ug/l	99
94) Hexachlorobutadiene	15.367	225	110075	21.13	ug/l	99
95) Naphthalene	15.504	128	448774	18.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	174500	20.10	ug/l	98

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

