

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062973.D
 Acq On : 17 Aug 2020 15:26
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:57 AM

Quant Time: Aug 17 15:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	269922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	388679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	211573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	467108	112.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.38%	
35) Dibromofluoromethane	7.55	113	404440	150.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.90%	
50) Toluene-d8	10.06	98	1596778	151.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.96%	
62) 4-Bromofluorobenzene	12.38	95	616437	157.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	430477	115.376	ug/l	100
3) Chloromethane	2.03	50	411639	115.877	ug/l	100
4) Vinyl Chloride	2.16	62	472506	134.525	ug/l	99
5) Bromomethane	2.49	94	314585	135.039	ug/l	98
6) Chloroethane	2.64	64	328588	142.647	ug/l	95
7) Trichlorofluoromethane	2.97	101	664462	111.082	ug/l	99
8) Diethyl Ether	3.37	74	238779	140.508	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	344902	129.163	ug/l	96
10) Methyl Iodide	3.91	142	495969	166.208	ug/l	99
11) Tert butyl alcohol	4.75	59	401623	597.556	ug/l	99
12) 1,1-Dichloroethene	3.69	96	333234	131.533	ug/l	92
13) Acrolein	3.56	56	227427	545.238	ug/l	99
14) Allyl chloride	4.27	41	631795	138.448	ug/l	95
15) Acrylonitrile	4.93	53	1174699	720.527	ug/l	99
16) Acetone	3.78	43	902097	594.129	ug/l	96
17) Carbon Disulfide	4.00	76	937056	125.583	ug/l	99
18) Methyl Acetate	4.27	43	511594	125.103	ug/l	93
19) Methyl tert-butyl Ether	4.99	73	1303053	130.644	ug/l	99
20) Methylene Chloride	4.50	84	417523	129.034	ug/l	93
21) trans-1,2-Dichloroethene	4.98	96	362258	136.059	ug/l	96
22) Diisopropyl ether	5.90	45	1424982	147.418	ug/l	95
23) Vinyl Acetate	5.84	43	4959186	678.386	ug/l	97
24) 1,1-Dichloroethane	5.80	63	741178	130.072	ug/l	100
25) 2-Butanone	6.79	43	1506503	704.150	ug/l	94
26) 2,2-Dichloropropane	6.77	77	582929	113.515	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	448677	141.188	ug/l	93
28) Bromochloromethane	7.15	49	398199	144.513	ug/l	84
29) Tetrahydrofuran	7.17	42	992752	712.612	ug/l	93
30) Chloroform	7.33	83	749021	124.732	ug/l	99
31) Cyclohexane	7.61	56	748943	144.163	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	619985	117.059	ug/l	98
36) 1,1-Dichloropropene	7.75	75	544535	144.770	ug/l	97
37) Ethyl Acetate	6.88	43	554749	143.710	ug/l	97
38) Carbon Tetrachloride	7.73	117	536824	121.007	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	750746	162.108	ug/l	97
40) Benzene	8.00	78	1667948	146.020	ug/l	99
41) Methacrylonitrile	7.13	41	273268	160.723	ug/l #	82
42) 1,2-Dichloroethane	8.08	62	545998	117.032	ug/l	98
43) Isopropyl Acetate	8.13	43	895755	139.368	ug/l #	88
44) Trichloroethene	8.80	130	417465	147.539	ug/l	97
45) 1,2-Dichloropropane	9.08	63	468611	152.800	ug/l	99
46) Dibromomethane	9.17	93	284774	141.574	ug/l	94
47) Bromodichloromethane	9.37	83	605088	136.121	ug/l	98
48) Methyl methacrylate	9.17	41	449083	142.512	ug/l	93
49) 1,4-Dioxane	9.17	88	180814	3058.555	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	3033222	730.643	ug/l	99
52) Toluene	10.12	92	1077496	152.500	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	698568	143.447	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	743876	149.710	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	442416	146.214	ug/l	96
56) Ethyl methacrylate	10.40	69	742762	167.518	ug/l	97
57) 1,3-Dichloropropane	10.68	76	741835	146.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	923134	752.282	ug/l	94
59) 2-Hexanone	10.72	43	2283481	741.248	ug/l	99
60) Dibromochloromethane	10.88	129	499130	145.722	ug/l	99
61) 1,2-Dibromoethane	10.98	107	456714	153.183	ug/l	98
64) Tetrachloroethene	10.60	164	377110	148.325	ug/l	99
65) Chlorobenzene	11.41	112	1186513	146.674	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	454440	140.971	ug/l	99
67) Ethyl Benzene	11.48	91	2140774	149.964	ug/l	99
68) m/p-Xylenes	11.60	106	1642657	313.887	ug/l	100
69) o-Xylene	11.92	106	802465	163.993	ug/l	99
70) Styrene	11.94	104	1445667	168.184	ug/l	98
71) Bromoform	12.10	173	415233	155.920	ug/l #	99
73) Isopropylbenzene	12.22	105	2142858	137.379	ug/l	100
74) N-amyl acetate	12.05	43	900547	148.056	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	705824	128.664	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	626125m	114.312	ug/l	
77) Bromobenzene	12.50	156	580048	145.856	ug/l	92
78) n-propylbenzene	12.57	91	2552476	139.881	ug/l	98
79) 2-Chlorotoluene	12.65	91	1524362	133.856	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	1906498	141.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	259239	145.654	ug/l	99
82) 4-Chlorotoluene	12.75	91	1629660	138.555	ug/l	97
83) tert-Butylbenzene	12.97	119	1633517	142.251	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	1935420	149.681	ug/l	99
85) sec-Butylbenzene	13.15	105	2206967	146.548	ug/l	99
86) p-Isopropyltoluene	13.26	119	2039710	152.410	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	1062249	150.740	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1058866	149.322	ug/l	100
89) n-Butylbenzene	13.59	91	1832248	162.998	ug/l	99
90) Hexachloroethane	13.85	117	373546	130.464	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	1007760	152.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	138730	122.538	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	630335	200.837	ug/l	100
94) Hexachlorobutadiene	14.98	225	354718	150.725	ug/l	99
95) Naphthalene	15.10	128	1584242	196.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	613544	201.962	ug/l	97

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

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