

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
 Data File : VN062670.D
 Acq On : 30 Jul 2020 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:55 AM

Quant Time: Jul 31 05:14:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	170622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	268048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	129152	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.54	113	85569	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.06	98	336312	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.37	95	129505	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94221	46.296	ug/l	98
3) Chloromethane	2.03	50	104082	37.706	ug/l	98
4) Vinyl Chloride	2.16	62	97099	40.577	ug/l	100
5) Bromomethane	2.52	94	51262	48.366	ug/l	99
6) Chloroethane	2.66	64	54349	50.210	ug/l	100
7) Trichlorofluoromethane	2.98	101	150390	53.527	ug/l	99
8) Diethyl Ether	3.37	74	59207	45.064	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	91755	50.936	ug/l	99
10) Methyl Iodide	3.91	142	112845	49.000	ug/l	96
11) Tert butyl alcohol	4.73	59	77035	182.700	ug/l	99
12) 1,1-Dichloroethene	3.69	96	83993	45.975	ug/l	98
13) Acrolein	3.56	56	67071	155.820	ug/l	99
14) Allyl chloride	4.27	41	167036	42.268	ug/l	93
15) Acrylonitrile	4.92	53	242290	214.536	ug/l	100
16) Acetone	3.77	43	217897	218.462	ug/l	100
17) Carbon Disulfide	4.00	76	247130	41.170	ug/l	100
18) Methyl Acetate	4.27	43	110352	43.703	ug/l	97
19) Methyl tert-butyl Ether	4.98	73	324637	48.279	ug/l	99
20) Methylene Chloride	4.50	84	104142	43.534	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	91655	45.202	ug/l	99
22) Diisopropyl ether	5.89	45	351200	44.709	ug/l	97
23) Vinyl Acetate	5.83	43	1436139	223.128	ug/l	98
24) 1,1-Dichloroethane	5.79	63	195545	46.228	ug/l	99
25) 2-Butanone	6.78	43	315088	207.427	ug/l	96
26) 2,2-Dichloropropane	6.77	77	173498	49.964	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	106814	46.165	ug/l	99
28) Bromochloromethane	7.14	49	92599	44.482	ug/l	94
29) Tetrahydrofuran	7.16	42	208091	202.450	ug/l	95
30) Chloroform	7.32	83	194213	48.289	ug/l	97
31) Cyclohexane	7.61	56	163899	41.966	ug/l	94
32) 1,1,1-Trichloroethane	7.52	97	173558	51.687	ug/l	99
36) 1,1-Dichloropropene	7.74	75	146895	51.414	ug/l	98
37) Ethyl Acetate	6.88	43	136239	44.236	ug/l	99
38) Carbon Tetrachloride	7.73	117	152771	55.628	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	160613	52.222	ug/l	98
40) Benzene	8.00	78	414680	47.941	ug/l	99
41) Methacrylonitrile	7.12	41	61463	46.565	ug/l	94
42) 1,2-Dichloroethane	8.08	62	169456	53.586	ug/l	98
43) Isopropyl Acetate	8.12	43	229676	46.260	ug/l #	91
44) Trichloroethene	8.80	130	96744	49.596	ug/l	99
45) 1,2-Dichloropropane	9.08	63	115876	47.713	ug/l	97
46) Dibromomethane	9.17	93	71517	50.950	ug/l	97
47) Bromodichloromethane	9.37	83	160524	52.787	ug/l	100
48) Methyl methacrylate	9.16	41	111947	47.433	ug/l	98
49) 1,4-Dioxane	9.16	88	29669	818.480	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	683999	230.250	ug/l	100
52) Toluene	10.12	92	255047	50.779	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	176675	52.189	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	186876	51.445	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	98547	50.583	ug/l	97
56) Ethyl methacrylate	10.40	69	161960	46.428	ug/l	96
57) 1,3-Dichloropropane	10.68	76	179453	50.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	264117	250.488	ug/l	99
59) 2-Hexanone	10.72	43	487390	212.593	ug/l	99
60) Dibromochloromethane	10.87	129	116781	53.731	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101137	49.853	ug/l	99
64) Tetrachloroethene	10.60	164	82302	50.232	ug/l	99
65) Chlorobenzene	11.40	112	263566	49.855	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	105077	52.834	ug/l	98
67) Ethyl Benzene	11.48	91	503840	51.979	ug/l	99
68) m/p-Xylenes	11.59	106	369808	106.145	ug/l	99
69) o-Xylene	11.92	106	175461	53.035	ug/l	99
70) Styrene	11.94	104	308369	55.177	ug/l	98
71) Bromoform	12.10	173	78654	52.672	ug/l #	96
73) Isopropylbenzene	12.22	105	491370	48.845	ug/l	99
74) N-amyl acetate	12.04	43	205714	45.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	145023	41.485	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	136987m	42.302	ug/l	
77) Bromobenzene	12.50	156	113375	46.897	ug/l	95
78) n-propylbenzene	12.56	91	587807	49.883	ug/l	100
79) 2-Chlorotoluene	12.65	91	345122	47.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	432365	51.814	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	53103	45.649	ug/l	94
82) 4-Chlorotoluene	12.75	91	364015	48.157	ug/l	99
83) tert-Butylbenzene	12.97	119	352087	50.813	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	422266	51.584	ug/l	98
85) sec-Butylbenzene	13.15	105	482032	51.963	ug/l	100
86) p-Isopropyltoluene	13.26	119	437093	54.784	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	206052	48.569	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	202903	48.584	ug/l	97
89) n-Butylbenzene	13.59	91	378494	55.211	ug/l	100
90) Hexachloroethane	13.85	117	80542	47.420	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	195654	48.231	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30056	47.355	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	102341	48.107	ug/l	98
94) Hexachlorobutadiene	14.98	225	66713	60.885	ug/l	99
95) Naphthalene	15.10	128	240574	43.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	99337	51.962	ug/l	99

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

