

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060017.D
 Acq On : 7 Feb 2020 8:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:37 AM

Quant Time: Feb 07 23:30:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	284922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107421	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.56	113	88194	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.08	98	331600	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	127649	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88100	40.575	ug/l	96
3) Chloromethane	2.04	50	91296	43.406	ug/l	100
4) Vinyl Chloride	2.17	62	118690	49.319	ug/l	97
5) Bromomethane	2.53	94	69848	47.559	ug/l	99
6) Chloroethane	2.68	64	57225	50.261	ug/l	99
7) Trichlorofluoromethane	3.00	101	143237	49.561	ug/l	99
8) Diethyl Ether	3.38	74	52586	51.846	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85186	52.958	ug/l	94
10) Methyl Iodide	3.93	142	109415	42.082	ug/l	97
11) Tert butyl alcohol	4.73	59	85613	249.266	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	78916	46.951	ug/l	92
13) Acrolein	3.58	56	44552	183.245	ug/l	98
14) Allyl chloride	4.29	41	118955	52.506	ug/l #	88
15) Acrylonitrile	4.94	53	221098	282.207	ug/l	100
16) Acetone	3.78	43	262649	382.760	ug/l	98
17) Carbon Disulfide	4.03	76	185815	38.808	ug/l	100
18) Methyl Acetate	4.28	43	136263	57.178	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	299349	54.624	ug/l	95
20) Methylene Chloride	4.52	84	94788	51.388	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	87858	49.174	ug/l	90
22) Diisopropyl ether	5.91	45	289542	56.395	ug/l	97
23) Vinyl Acetate	5.86	43	1102429	277.336	ug/l	95
24) 1,1-Dichloroethane	5.81	63	167608	53.428	ug/l	99
25) 2-Butanone	6.80	43	337839	292.409	ug/l	92
26) 2,2-Dichloropropane	6.79	77	161380	53.509	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108568	52.831	ug/l	91
28) Bromochloromethane	7.17	49	64354	51.325	ug/l #	80
29) Tetrahydrofuran	7.18	42	191897	268.445	ug/l	91
30) Chloroform	7.34	83	181344	55.791	ug/l	100
31) Cyclohexane	7.63	56	137356	45.502	ug/l	93
32) 1,1,1-Trichloroethane	7.54	97	163498	54.402	ug/l	97
36) 1,1-Dichloropropene	7.77	75	126004	50.783	ug/l	96
37) Ethyl Acetate	6.89	43	122731	52.739	ug/l	96
38) Carbon Tetrachloride	7.75	117	141597	52.462	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	151109	49.392	ug/l	94
40) Benzene	8.02	78	382665	51.713	ug/l	99
41) Methacrylonitrile	7.15	41	61339m	53.513	ug/l	
42) 1,2-Dichloroethane	8.10	62	141862	56.543	ug/l	98
43) Isopropyl Acetate	8.14	43	214604	53.614	ug/l #	95
44) Trichloroethene	8.82	130	106770	52.854	ug/l	95
45) 1,2-Dichloropropane	9.10	63	102544	56.001	ug/l	99
46) Dibromomethane	9.19	93	70341	54.457	ug/l	93
47) Bromodichloromethane	9.39	83	147150	56.532	ug/l	98
48) Methyl methacrylate	9.18	41	94566	52.817	ug/l	92
49) 1,4-Dioxane	9.18	88	34288	1046.114	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	646928	279.584	ug/l	96
52) Toluene	10.14	92	250588	53.612	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166234	57.196	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	172017	56.250	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	103508	55.914	ug/l	97
56) Ethyl methacrylate	10.42	69	153490	54.262	ug/l	94
57) 1,3-Dichloropropane	10.70	76	167417	56.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	263767	309.586	ug/l	93
59) 2-Hexanone	10.74	43	516045	302.727	ug/l	96
60) Dibromochloromethane	10.89	129	121248	57.516	ug/l	100
61) 1,2-Dibromoethane	10.99	107	108477	55.908	ug/l	98
64) Tetrachloroethene	10.62	164	106351	48.741	ug/l	95
65) Chlorobenzene	11.43	112	280589	53.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110692	54.440	ug/l	99
67) Ethyl Benzene	11.50	91	503528	52.712	ug/l	98
68) m/p-Xylenes	11.62	106	377890	104.726	ug/l	96
69) o-Xylene	11.94	106	184164	52.133	ug/l	96
70) Styrene	11.96	104	311487	52.694	ug/l	98
71) Bromoform	12.12	173	92007	56.491	ug/l #	96
73) Isopropylbenzene	12.25	105	510552	51.829	ug/l	100
74) N-amyl acetate	12.06	43	195099	51.041	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	152671	53.461	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	126152m	55.809	ug/l	
77) Bromobenzene	12.52	156	128792	51.628	ug/l	85
78) n-propylbenzene	12.59	91	584293	52.846	ug/l	98
79) 2-Chlorotoluene	12.67	91	340349	51.744	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	429791	51.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57344	54.479	ug/l	96
82) 4-Chlorotoluene	12.77	91	354440	53.724	ug/l	97
83) tert-Butylbenzene	12.99	119	371684	51.874	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	432623	52.785	ug/l	99
85) sec-Butylbenzene	13.17	105	506120	53.764	ug/l	99
86) p-Isopropyltoluene	13.28	119	467552	53.676	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	237161	54.730	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232867	53.869	ug/l	98
89) n-Butylbenzene	13.61	91	418132	56.299	ug/l	99
90) Hexachloroethane	13.87	117	88889	54.542	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	228621	53.367	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32125	52.515	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141575	54.999	ug/l	98
94) Hexachlorobutadiene	15.01	225	77388	54.556	ug/l	100
95) Naphthalene	15.13	128	378110	51.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136662	54.543	ug/l	99

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

