

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013020\
 Data File : VN059924.D
 Acq On : 30 Jan 2020 13:07
 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
 2/3/2020 10:40:35 AM

Quant Time: Jan 30 17:18:48 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	187148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	292155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103713	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.56	113	87973	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.08	98	332521	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	121873	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	103914	47.064	ug/l	97
3) Chloromethane	2.04	50	100989	47.134	ug/l	100
4) Vinyl Chloride	2.17	62	132009	53.848	ug/l	97
5) Bromomethane	2.53	94	77267	51.646	ug/l	97
6) Chloroethane	2.68	64	61501	53.026	ug/l	97
7) Trichlorofluoromethane	3.00	101	155900	52.953	ug/l	99
8) Diethyl Ether	3.38	74	56833	55.006	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.73	101	92665	56.552	ug/l	94
10) Methyl Iodide	3.93	142	136442	51.515	ug/l	96
11) Tert butyl alcohol	4.73	59	88715	253.562	ug/l	99
12) 1,1-Dichloroethene	3.71	96	87022	50.825	ug/l	91
13) Acrolein	3.57	56	59384	239.771	ug/l	96
14) Allyl chloride	4.29	41	121593	52.687	ug/l #	83
15) Acrylonitrile	4.94	53	221311	277.300	ug/l	99
16) Acetone	3.78	43	241847	344.982	ug/l	96
17) Carbon Disulfide	4.03	76	218975	44.895	ug/l	98
18) Methyl Acetate	4.28	43	137964	56.831	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	312472	55.973	ug/l	95
20) Methylene Chloride	4.52	84	100434	53.504	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	94118	51.712	ug/l	90
22) Diisopropyl ether	5.91	45	289529	55.359	ug/l #	97
23) Vinyl Acetate	5.86	43	1120170	276.632	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	173785	54.381	ug/l	98
25) 2-Butanone	6.80	43	317771	269.997	ug/l	91
26) 2,2-Dichloropropane	6.79	77	167781	54.612	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	112772	53.871	ug/l	90
28) Bromochloromethane	7.17	49	66519	52.080	ug/l #	77
29) Tetrahydrofuran	7.18	42	190077	261.024	ug/l	88
30) Chloroform	7.34	83	184338	55.673	ug/l	100
31) Cyclohexane	7.63	56	145685	47.377	ug/l	90
32) 1,1,1-Trichloroethane	7.55	97	167533	54.723	ug/l	97
36) 1,1-Dichloropropene	7.77	75	132343	52.018	ug/l	95
37) Ethyl Acetate	6.89	43	123546	51.775	ug/l	96
38) Carbon Tetrachloride	7.75	117	148846	53.783	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	157878	50.327	ug/l	92
40) Benzene	8.02	78	397726	52.417	ug/l	100
41) Methacrylonitrile	7.15	41	55489m	47.210	ug/l	
42) 1,2-Dichloroethane	8.10	62	142158	55.258	ug/l	97
43) Isopropyl Acetate	8.14	43	218364	53.202	ug/l #	96
44) Trichloroethene	8.82	130	114638	55.344	ug/l	93
45) 1,2-Dichloropropane	9.10	63	104003	55.392	ug/l	97
46) Dibromomethane	9.19	93	72562	54.786	ug/l	92
47) Bromodichloromethane	9.38	83	150129	56.249	ug/l	98
48) Methyl methacrylate	9.18	41	94093	51.252	ug/l	87
49) 1,4-Dioxane	9.18	88	34788	1035.092	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	641631	270.430	ug/l	95
52) Toluene	10.14	92	256804	53.582	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	169916	57.016	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	180524	57.571	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	105546	55.603	ug/l	99
56) Ethyl methacrylate	10.42	69	156519	53.963	ug/l	92
57) 1,3-Dichloropropane	10.70	76	170627	56.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	263803	301.962	ug/l	93
59) 2-Hexanone	10.74	43	486634	278.406	ug/l	95
60) Dibromochloromethane	10.89	129	124907	57.785	ug/l	99
61) 1,2-Dibromoethane	11.00	107	110490	55.535	ug/l	99
64) Tetrachloroethene	10.62	164	110122	50.826	ug/l	98
65) Chlorobenzene	11.42	112	288677	55.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113630	56.280	ug/l	98
67) Ethyl Benzene	11.50	91	512434	54.023	ug/l	98
68) m/p-Xylenes	11.61	106	391706	109.323	ug/l	94
69) o-Xylene	11.94	106	189109	53.911	ug/l	94
70) Styrene	11.96	104	317359	54.067	ug/l	97
71) Bromoform	12.12	173	94196	58.244	ug/l #	98
73) Isopropylbenzene	12.24	105	514343	53.664	ug/l	99
74) N-amyl acetate	12.06	43	193556	52.044	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	150902	54.310	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	133617m	60.753	ug/l	
77) Bromobenzene	12.52	156	130097	53.600	ug/l	84
78) n-propylbenzene	12.59	91	586687	54.537	ug/l	98
79) 2-Chlorotoluene	12.67	91	341912	53.426	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	439263	54.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	57206	55.858	ug/l	94
82) 4-Chlorotoluene	12.77	91	351509	54.760	ug/l	96
83) tert-Butylbenzene	12.99	119	377524	54.153	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	432802	54.274	ug/l	98
85) sec-Butylbenzene	13.17	105	499156	54.497	ug/l	99
86) p-Isopropyltoluene	13.28	119	458381	54.086	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	232978	55.259	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232741	55.335	ug/l	97
89) n-Butylbenzene	13.61	91	404553	55.984	ug/l	98
90) Hexachloroethane	13.87	117	86855	54.774	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	229225	54.995	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31280	52.556	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140256	56.001	ug/l	98
94) Hexachlorobutadiene	15.01	225	75550	54.740	ug/l	99
95) Naphthalene	15.13	128	374422	52.559	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134691	55.250	ug/l	99

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

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