

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059821.D
 Acq On : 22 Jan 2020 9:46
 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
 1/24/2020 10:14:31 AM

Quant Time: Jan 22 17:35:24 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	211424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118915	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.56	113	100235	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.08	98	380153	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	137932	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	114117	45.736	ug/l	98
3) Chloromethane	2.04	50	105231	43.474	ug/l	99
4) Vinyl Chloride	2.17	62	133912	48.352	ug/l	98
5) Bromomethane	2.53	94	81458	48.196	ug/l	100
6) Chloroethane	2.68	64	62264	47.520	ug/l	99
7) Trichlorofluoromethane	3.00	101	160114	48.140	ug/l	99
8) Diethyl Ether	3.38	74	56263	48.202	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93498	50.508	ug/l	92
10) Methyl Iodide	3.93	142	139974	46.780	ug/l	95
11) Tert butyl alcohol	4.72	59	87159	220.511	ug/l	98
12) 1,1-Dichloroethene	3.71	96	89618	46.331	ug/l	88
13) Acrolein	3.57	56	61144	218.531	ug/l	98
14) Allyl chloride	4.29	41	120885	46.366	ug/l #	86
15) Acrylonitrile	4.94	53	212125	235.271	ug/l	100
16) Acetone	3.78	43	261282	329.455	ug/l	95
17) Carbon Disulfide	4.03	76	237444	43.092	ug/l	100
18) Methyl Acetate	4.29	43	128360	46.804	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	303446	48.115	ug/l	96
20) Methylene Chloride	4.52	84	100035	47.015	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	96642	47.002	ug/l	87
22) Diisopropyl ether	5.91	45	280689	47.506	ug/l	97
23) Vinyl Acetate	5.86	43	1085511	237.293	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	170828	47.318	ug/l	98
25) 2-Butanone	6.80	43	332863	250.346	ug/l	92
26) 2,2-Dichloropropane	6.79	77	165512	47.687	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	114292	48.328	ug/l	88
28) Bromochloromethane	7.17	49	69723	48.320	ug/l #	73
29) Tetrahydrofuran	7.18	42	181975	221.204	ug/l #	87
30) Chloroform	7.35	83	182147	48.694	ug/l	100
31) Cyclohexane	7.63	56	147547	42.473	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	167474	48.423	ug/l	96
36) 1,1-Dichloropropene	7.77	75	134600	48.016	ug/l	95
37) Ethyl Acetate	6.89	43	118044	44.897	ug/l #	95
38) Carbon Tetrachloride	7.75	117	150765	49.442	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	164797	47.678	ug/l	90
40) Benzene	8.02	78	397537	47.550	ug/l	100
41) Methacrylonitrile	7.15	41	57602m	44.479	ug/l	
42) 1,2-Dichloroethane	8.10	62	139046	49.053	ug/l	96
43) Isopropyl Acetate	8.14	43	207447	45.872	ug/l #	94
44) Trichloroethene	8.82	130	116330	50.971	ug/l	96
45) 1,2-Dichloropropane	9.10	63	100226	48.447	ug/l	98
46) Dibromomethane	9.19	93	72330	49.564	ug/l	91
47) Bromodichloromethane	9.38	83	147767	50.248	ug/l	99
48) Methyl methacrylate	9.18	41	90848	44.911	ug/l	87
49) 1,4-Dioxane	9.18	88	37088	1001.543	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	602251	230.374	ug/l	94
52) Toluene	10.14	92	260263	49.285	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166917	50.833	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	174012	50.366	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	102483	49.000	ug/l	96
56) Ethyl methacrylate	10.42	69	153649	48.078	ug/l	90
57) 1,3-Dichloropropane	10.70	76	167595	50.473	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242811	252.248	ug/l	92
59) 2-Hexanone	10.74	43	483767	251.188	ug/l	93
60) Dibromochloromethane	10.89	129	122833	51.573	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109376	49.895	ug/l	99
64) Tetrachloroethene	10.62	164	116181	48.423	ug/l	96
65) Chlorobenzene	11.43	112	285732	49.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	111363	49.808	ug/l	99
67) Ethyl Benzene	11.50	91	510048	48.557	ug/l	96
68) m/p-Xylenes	11.62	106	391458	98.658	ug/l	93
69) o-Xylene	11.94	106	188743	48.588	ug/l	94
70) Styrene	11.96	104	316480	48.688	ug/l	97
71) Bromoform	12.12	173	92898	51.871	ug/l #	99
73) Isopropylbenzene	12.24	105	511384	48.469	ug/l	99
74) N-amyl acetate	12.06	43	181562	44.348	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	142750	46.670	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	126623m	52.300	ug/l	
77) Bromobenzene	12.52	156	129637	48.519	ug/l	81
78) n-propylbenzene	12.59	91	576521	48.683	ug/l	97
79) 2-Chlorotoluene	12.67	91	333337	47.316	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	430502	48.517	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54485	48.329	ug/l	92
82) 4-Chlorotoluene	12.77	91	346214	48.996	ug/l	95
83) tert-Butylbenzene	12.99	119	369462	48.143	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	434618	49.510	ug/l	99
85) sec-Butylbenzene	13.17	105	493167	48.912	ug/l	99
86) p-Isopropyltoluene	13.28	119	456862	48.969	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	234026	50.424	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	230323	49.745	ug/l	97
89) n-Butylbenzene	13.61	91	396926	49.898	ug/l	98
90) Hexachloroethane	13.87	117	85024	48.709	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	226620	49.391	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30224	45.865	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	141341	51.265	ug/l	99
94) Hexachlorobutadiene	15.01	225	75871	49.938	ug/l	100
95) Naphthalene	15.13	128	362808	46.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	131620	49.046	ug/l	100

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

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