

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059900.D
 Acq On : 29 Jan 2020 9:51
 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
 1/30/2020 10:22:05 AM

Quant Time: Jan 30 00:13:32 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	199219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	303490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112986	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.56	113	97178	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
50) Toluene-d8	10.08	98	371247	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.40	95	136295	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	116458	49.578	ug/l	97
3) Chloromethane	2.04	50	107900	47.308	ug/l	99
4) Vinyl Chloride	2.17	62	141563	54.246	ug/l	98
5) Bromomethane	2.53	94	85655	53.784	ug/l	99
6) Chloroethane	2.68	64	67977	55.059	ug/l	98
7) Trichlorofluoromethane	3.00	101	170908	54.533	ug/l	100
8) Diethyl Ether	3.38	74	61815	56.203	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100695	57.729	ug/l	91
10) Methyl Iodide	3.93	142	152451	54.071	ug/l	96
11) Tert butyl alcohol	4.73	59	83162	223.288	ug/l	99
12) 1,1-Dichloroethene	3.72	96	96339	52.857	ug/l	87
13) Acrolein	3.58	56	64563	244.887	ug/l	99
14) Allyl chloride	4.29	41	129550	52.733	ug/l #	84
15) Acrylonitrile	4.94	53	222156	261.492	ug/l	100
16) Acetone	3.78	43	259006	347.135	ug/l	94
17) Carbon Disulfide	4.03	76	240057	46.235	ug/l	99
18) Methyl Acetate	4.28	43	133221	51.552	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	331800	55.834	ug/l	95
20) Methylene Chloride	4.52	84	109237	54.696	ug/l	89
21) trans-1,2-Dichloroethene	5.00	96	103566	53.455	ug/l	89
22) Diisopropyl ether	5.91	45	303582	54.529	ug/l #	95
23) Vinyl Acetate	5.86	43	1150808	266.979	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	186665	54.873	ug/l	97
25) 2-Butanone	6.80	43	321600	256.694	ug/l	91
26) 2,2-Dichloropropane	6.79	77	182404	55.774	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	124247	55.756	ug/l	88
28) Bromochloromethane	7.17	49	65780	48.380	ug/l #	71
29) Tetrahydrofuran	7.18	42	182853	235.889	ug/l #	86
30) Chloroform	7.35	83	201932	57.291	ug/l	100
31) Cyclohexane	7.63	56	155352	47.459	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	185784	57.008	ug/l	96
36) 1,1-Dichloropropene	7.77	75	145356	54.999	ug/l	96
37) Ethyl Acetate	6.90	43	120491	48.608	ug/l #	95
38) Carbon Tetrachloride	7.75	117	163003	56.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	168550	51.722	ug/l	90
40) Benzene	8.02	78	432677	54.894	ug/l	100
41) Methacrylonitrile	7.15	41	60375m	49.449	ug/l	
42) 1,2-Dichloroethane	8.10	62	152786	57.171	ug/l	95
43) Isopropyl Acetate	8.14	43	217891	51.104	ug/l #	94
44) Trichloroethene	8.82	130	129079	59.988	ug/l	93
45) 1,2-Dichloropropane	9.10	63	111000	56.911	ug/l	100
46) Dibromomethane	9.19	93	79397	57.708	ug/l	91
47) Bromodichloromethane	9.38	83	163760	59.065	ug/l	100
48) Methyl methacrylate	9.18	41	94872	49.746	ug/l	86
49) 1,4-Dioxane	9.18	88	35316	1011.556	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	616580	250.165	ug/l	93
52) Toluene	10.14	92	284878	57.219	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	183770	59.361	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	193293	59.341	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	115137	58.390	ug/l	98
56) Ethyl methacrylate	10.42	69	164013	54.435	ug/l	91
57) 1,3-Dichloropropane	10.70	76	183778	58.705	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	270685	298.268	ug/l #	90
59) 2-Hexanone	10.74	43	475958	262.128	ug/l	94
60) Dibromochloromethane	10.89	129	135611	60.393	ug/l	100
61) 1,2-Dibromoethane	10.99	107	120180	58.150	ug/l	98
64) Tetrachloroethene	10.62	164	130893	57.975	ug/l	96
65) Chlorobenzene	11.43	112	318011	58.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	125540	59.670	ug/l	98
67) Ethyl Benzene	11.50	91	565381	57.200	ug/l	98
68) m/p-Xylenes	11.62	106	428546	114.777	ug/l	94
69) o-Xylene	11.94	106	207781	56.843	ug/l	94
70) Styrene	11.96	104	349950	57.213	ug/l	97
71) Bromoform	12.12	173	101517	60.238	ug/l #	99
73) Isopropylbenzene	12.25	105	560404	55.371	ug/l	99
74) N-amyl acetate	12.06	43	192518	49.021	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	152799	52.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128499m	55.330	ug/l	
77) Bromobenzene	12.52	156	146596	57.197	ug/l	80
78) n-propylbenzene	12.59	91	637199	56.093	ug/l	97
79) 2-Chlorotoluene	12.67	91	373208	55.226	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	474007	55.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58255	53.868	ug/l	92
82) 4-Chlorotoluene	12.77	91	386922	57.083	ug/l	94
83) tert-Butylbenzene	12.99	119	399715	54.298	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	473251	56.201	ug/l	98
85) sec-Butylbenzene	13.17	105	530628	54.863	ug/l	98
86) p-Isopropyltoluene	13.28	119	489687	54.717	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	256666	57.651	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	257929	58.074	ug/l	97
89) n-Butylbenzene	13.61	91	421417	55.227	ug/l	98
90) Hexachloroethane	13.87	117	91117	54.417	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	250371	56.885	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31281	49.657	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149534	56.541	ug/l	98
94) Hexachlorobutadiene	15.01	225	71910	49.341	ug/l	99
95) Naphthalene	15.13	128	386540	51.384	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138886	53.952	ug/l	99

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

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