

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059862.D
 Acq On : 27 Jan 2020 9:48
 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
 1/28/2020 9:24:22 AM

Quant Time: Jan 27 15:47:44 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	201798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109617	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.56	113	94655	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.08	98	352423	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	126759	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113602	47.724	ug/l	98
3) Chloromethane	2.04	50	106103	45.925	ug/l	99
4) Vinyl Chloride	2.17	62	136313	51.567	ug/l	97
5) Bromomethane	2.53	94	82449	51.109	ug/l	99
6) Chloroethane	2.68	64	63589	50.846	ug/l	100
7) Trichlorofluoromethane	3.00	101	163069	51.367	ug/l	100
8) Diethyl Ether	3.38	74	59378	53.297	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95777	54.207	ug/l	93
10) Methyl Iodide	3.93	142	142955	50.055	ug/l	95
11) Tert butyl alcohol	4.73	59	89499	237.232	ug/l	98
12) 1,1-Dichloroethene	3.72	96	93736	50.771	ug/l	88
13) Acrolein	3.58	56	60882	227.974	ug/l	99
14) Allyl chloride	4.29	41	124142	49.886	ug/l #	83
15) Acrylonitrile	4.94	53	216911	252.056	ug/l	100
16) Acetone	3.78	43	287199	380.989	ug/l	97
17) Carbon Disulfide	4.03	76	238007	45.254	ug/l	99
18) Methyl Acetate	4.28	43	133710	51.080	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	311968	51.826	ug/l	95
20) Methylene Chloride	4.52	84	103157	50.902	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	98052	49.962	ug/l	87
22) Diisopropyl ether	5.91	45	287707	51.017	ug/l #	96
23) Vinyl Acetate	5.86	43	1118301	256.122	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	175492	50.929	ug/l	96
25) 2-Butanone	6.80	43	338206	266.498	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	168765	50.944	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	117484	52.047	ug/l	88
28) Bromochloromethane	7.17	49	67731	49.179	ug/l #	75
29) Tetrahydrofuran	7.18	42	183989	234.321	ug/l #	86
30) Chloroform	7.35	83	187504	52.518	ug/l	99
31) Cyclohexane	7.63	56	149271	45.019	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	171715	52.017	ug/l	96
36) 1,1-Dichloropropene	7.77	75	136881	51.063	ug/l	96
37) Ethyl Acetate	6.89	43	120425	47.898	ug/l	97
38) Carbon Tetrachloride	7.75	117	154174	52.872	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	165934	50.202	ug/l	91
40) Benzene	8.02	78	412310	51.573	ug/l	100
41) Methacrylonitrile	7.14	41	53221m	42.976	ug/l	
42) 1,2-Dichloroethane	8.10	62	143859	53.072	ug/l	96
43) Isopropyl Acetate	8.14	43	213548	49.380	ug/l #	95
44) Trichloroethene	8.82	130	120228	55.088	ug/l	91
45) 1,2-Dichloropropane	9.10	63	104864	53.007	ug/l	99
46) Dibromomethane	9.19	93	75310	53.966	ug/l	91
47) Bromodichloromethane	9.38	83	154005	54.764	ug/l	99
48) Methyl methacrylate	9.18	41	93945	48.566	ug/l	90
49) 1,4-Dioxane	9.18	88	36799	1039.190	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	612345	244.948	ug/l	95
52) Toluene	10.14	92	266739	52.822	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	170984	54.453	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	180498	54.632	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	106723	53.361	ug/l	98
56) Ethyl methacrylate	10.42	69	155377	50.843	ug/l	91
57) 1,3-Dichloropropane	10.70	76	171500	54.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	206102	223.906	ug/l	91
59) 2-Hexanone	10.74	43	483727	262.655	ug/l	93
60) Dibromochloromethane	10.89	129	127899	56.157	ug/l	98
61) 1,2-Dibromoethane	10.99	107	112539	53.686	ug/l	100
64) Tetrachloroethene	10.62	164	124790	54.524	ug/l	95
65) Chlorobenzene	11.43	112	293261	53.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	115824	54.306	ug/l	98
67) Ethyl Benzene	11.50	91	526430	52.538	ug/l	97
68) m/p-Xylenes	11.62	106	400623	105.846	ug/l	95
69) o-Xylene	11.94	106	193407	52.195	ug/l	94
70) Styrene	11.96	104	324057	52.262	ug/l	97
71) Bromoform	12.12	173	96502	56.487	ug/l #	100
73) Isopropylbenzene	12.24	105	525742	52.245	ug/l	99
74) N-amyl acetate	12.06	43	186430	47.744	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	147482	50.555	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	124234m	53.801	ug/l	
77) Bromobenzene	12.52	156	134931	52.948	ug/l	80
78) n-propylbenzene	12.59	91	598284	52.970	ug/l	98
79) 2-Chlorotoluene	12.67	91	348603	51.881	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	442891	52.333	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55499	51.614	ug/l	94
82) 4-Chlorotoluene	12.77	91	358364	53.174	ug/l	96
83) tert-Butylbenzene	12.99	119	387684	52.966	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	444860	53.133	ug/l	98
85) sec-Butylbenzene	13.17	105	510359	53.070	ug/l	99
86) p-Isopropyltoluene	13.28	119	469284	52.739	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	239878	54.190	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	237686	53.824	ug/l	97
89) n-Butylbenzene	13.61	91	406471	53.575	ug/l	98
90) Hexachloroethane	13.87	117	88279	53.025	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	233112	53.268	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30564	48.760	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138398	52.631	ug/l	97
94) Hexachlorobutadiene	15.01	225	76404	52.726	ug/l	100
95) Naphthalene	15.13	128	364044	48.672	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132250	51.669	ug/l	99

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

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