

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060357.D
 Acq On : 5 Mar 2020 10:43
 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
 3/6/2020 11:18:12 AM

Quant Time: Mar 06 00:50:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124301	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.56	113	81389	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.08	98	368378	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.40	95	141111	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83872	45.891	ug/l	98
3) Chloromethane	2.04	50	148297	46.605	ug/l	99
4) Vinyl Chloride	2.16	62	122085	44.738	ug/l	99
5) Bromomethane	2.54	94	44735	40.258	ug/l	98
6) Chloroethane	2.68	64	66746	45.143	ug/l	97
7) Trichlorofluoromethane	3.00	101	162846	46.706	ug/l	99
8) Diethyl Ether	3.38	74	61289	46.557	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94721	48.003	ug/l	99
10) Methyl Iodide	3.93	142	84255	46.786	ug/l	100
11) Tert butyl alcohol	4.73	59	89747	236.321	ug/l	100
12) 1,1-Dichloroethene	3.71	96	92465	48.280	ug/l	99
13) Acrolein	3.57	56	116440	328.659	ug/l	98
14) Allyl chloride	4.29	41	159768	45.246	ug/l	91
15) Acrylonitrile	4.94	53	253857	253.605	ug/l	99
16) Acetone	3.78	43	206437	249.948	ug/l	97
17) Carbon Disulfide	4.03	76	238890	46.963	ug/l	100
18) Methyl Acetate	4.28	43	131784	47.813	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	344587	49.558	ug/l	98
20) Methylene Chloride	4.52	84	106773	47.073	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	99694	48.438	ug/l	97
22) Diisopropyl ether	5.91	45	369558	51.668	ug/l	96
23) Vinyl Acetate	5.86	43	1479290	260.273	ug/l	99
24) 1,1-Dichloroethane	5.82	63	202861	50.104	ug/l	99
25) 2-Butanone	6.80	43	344480	258.220	ug/l	99
26) 2,2-Dichloropropane	6.79	77	184290	49.998	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	122466	46.563	ug/l	98
28) Bromochloromethane	7.17	49	85733	51.574	ug/l	95
29) Tetrahydrofuran	7.18	42	231335	249.371	ug/l	99
30) Chloroform	7.34	83	202584	50.263	ug/l	100
31) Cyclohexane	7.63	56	177833	51.511	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	178553	50.000	ug/l	100
36) 1,1-Dichloropropene	7.77	75	150865	48.895	ug/l	99
37) Ethyl Acetate	6.89	43	150376	51.471	ug/l	99
38) Carbon Tetrachloride	7.75	117	149254	49.684	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	178402	49.039	ug/l	98
40) Benzene	8.02	78	449295	50.030	ug/l	99
41) Methacrylonitrile	7.15	41	71702m	53.152	ug/l	
42) 1,2-Dichloroethane	8.10	62	164550	50.776	ug/l	99
43) Isopropyl Acetate	8.14	43	264380	51.690	ug/l	99
44) Trichloroethene	8.82	130	122137	48.833	ug/l	99
45) 1,2-Dichloropropane	9.10	63	123454	52.579	ug/l	99
46) Dibromomethane	9.19	93	76485	50.203	ug/l	99
47) Bromodichloromethane	9.38	83	163956	52.913	ug/l	99
48) Methyl methacrylate	9.18	41	117810	50.511	ug/l	99
49) 1,4-Dioxane	9.18	88	31133	949.191	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	764026	263.462	ug/l	100
52) Toluene	10.14	92	284086	50.359	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	190523	50.180	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	199732	50.767	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113256	49.924	ug/l	98
56) Ethyl methacrylate	10.42	69	174596	53.571	ug/l	99
57) 1,3-Dichloropropane	10.70	76	192158	51.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	507363	297.650	ug/l	99
59) 2-Hexanone	10.74	43	554579	260.462	ug/l	100
60) Dibromochloromethane	10.89	129	122610	53.146	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114541	51.794	ug/l	97
64) Tetrachloroethene	10.62	164	126586	53.321	ug/l	99
65) Chlorobenzene	11.42	112	299888	49.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114348	50.705	ug/l	99
67) Ethyl Benzene	11.50	91	559762	50.396	ug/l	99
68) m/p-Xylenes	11.62	106	417948	99.734	ug/l	100
69) o-Xylene	11.94	106	202429	50.656	ug/l	99
70) Styrene	11.96	104	336251	51.179	ug/l	100
71) Bromoform	12.12	173	88881	54.686	ug/l #	100
73) Isopropylbenzene	12.24	105	550722	49.947	ug/l	99
74) N-amyl acetate	12.06	43	243381	50.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153986	51.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142849m	43.767	ug/l	
77) Bromobenzene	12.52	156	133156	49.266	ug/l	99
78) n-propylbenzene	12.59	91	650481	50.329	ug/l	100
79) 2-Chlorotoluene	12.67	91	377035	49.627	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	467511	50.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	61243	51.797	ug/l #	86
82) 4-Chlorotoluene	12.77	91	393896	49.210	ug/l	99
83) tert-Butylbenzene	12.99	119	396395	49.317	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	470520	50.214	ug/l	100
85) sec-Butylbenzene	13.17	105	541679	50.326	ug/l	100
86) p-Isopropyltoluene	13.28	119	491155	49.302	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241416	51.989	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	239112	51.791	ug/l	100
89) n-Butylbenzene	13.61	91	456766	49.947	ug/l	100
90) Hexachloroethane	13.87	117	71315	49.456	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230587	48.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32911	48.489	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	151482	50.337	ug/l	99
94) Hexachlorobutadiene	15.01	225	74993	54.261	ug/l	99
95) Naphthalene	15.13	128	427392	48.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	141546	49.944	ug/l	99

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

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