

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060355.D
 Acq On : 4 Mar 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:09:38 PM

Quant Time: Mar 05 06:53:02 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	195156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123239	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.57	113	83366	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.08	98	367348	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.40	95	141315	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	77886	43.529	ug/l	99
3) Chloromethane	2.04	50	138788	44.552	ug/l	99
4) Vinyl Chloride	2.16	62	115099	43.082	ug/l	100
5) Bromomethane	2.54	94	38930	35.504	ug/l	98
6) Chloroethane	2.68	64	62609	43.253	ug/l	97
7) Trichlorofluoromethane	3.00	101	149007	43.654	ug/l	100
8) Diethyl Ether	3.38	74	57370	44.515	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86614	44.836	ug/l	99
10) Methyl Iodide	3.93	142	76128	43.180	ug/l	97
11) Tert butyl alcohol	4.73	59	81502	219.213	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	84869	45.259	ug/l	100
13) Acrolein	3.58	56	106191	306.158	ug/l	99
14) Allyl chloride	4.29	41	145298	42.031	ug/l	93
15) Acrylonitrile	4.94	53	242372	247.324	ug/l	99
16) Acetone	3.78	43	195391	241.647	ug/l	99
17) Carbon Disulfide	4.03	76	219629	44.059	ug/l	99
18) Methyl Acetate	4.29	43	124949	46.305	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	319250	46.899	ug/l	99
20) Methylene Chloride	4.52	84	98506	44.360	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	92157	45.712	ug/l	97
22) Diisopropyl ether	5.92	45	339210	48.442	ug/l	99
23) Vinyl Acetate	5.86	43	1353291	243.210	ug/l	100
24) 1,1-Dichloroethane	5.82	63	187639	47.338	ug/l	99
25) 2-Butanone	6.80	43	320717	245.563	ug/l	100
26) 2,2-Dichloropropane	6.80	77	157306	43.593	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	111374	43.253	ug/l	99
28) Bromochloromethane	7.17	49	79861	49.071	ug/l	96
29) Tetrahydrofuran	7.18	42	216899	238.824	ug/l	99
30) Chloroform	7.35	83	187160	47.432	ug/l	100
31) Cyclohexane	7.63	56	161768	47.765	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	164680	47.104	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137679	44.558	ug/l	99
37) Ethyl Acetate	6.90	43	142792	48.805	ug/l	99
38) Carbon Tetrachloride	7.75	117	135739	45.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161391	44.300	ug/l	98
40) Benzene	8.02	78	413038	45.927	ug/l	99
41) Methacrylonitrile	7.15	41	66111m	48.938	ug/l	
42) 1,2-Dichloroethane	8.10	62	151755	46.761	ug/l	99
43) Isopropyl Acetate	8.14	43	243864	47.611	ug/l	99
44) Trichloroethene	8.82	130	107980	43.111	ug/l	97
45) 1,2-Dichloropropane	9.10	63	113314	48.191	ug/l	99
46) Dibromomethane	9.19	93	70547	46.239	ug/l	98
47) Bromodichloromethane	9.39	83	150170	48.395	ug/l	99
48) Methyl methacrylate	9.18	41	108953	46.647	ug/l	99
49) 1,4-Dioxane	9.18	88	26106	794.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	716305	246.654	ug/l	99
52) Toluene	10.14	92	258207	45.706	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	173487	45.628	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	182961	46.438	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	103310	45.475	ug/l	97
56) Ethyl methacrylate	10.42	69	162292	49.725	ug/l	99
57) 1,3-Dichloropropane	10.70	76	175999	47.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	408396	239.249	ug/l	100
59) 2-Hexanone	10.74	43	521292	244.480	ug/l	100
60) Dibromochloromethane	10.89	129	111503	48.262	ug/l	99
61) 1,2-Dibromoethane	10.99	107	105276	47.537	ug/l	99
64) Tetrachloroethene	10.62	164	108159	44.868	ug/l	100
65) Chlorobenzene	11.43	112	271751	44.098	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	104636	45.923	ug/l	100
67) Ethyl Benzene	11.50	91	509646	45.414	ug/l	100
68) m/p-Xylenes	11.62	106	377370	89.128	ug/l	99
69) o-Xylene	11.94	106	183608	45.475	ug/l	99
70) Styrene	11.96	104	306123	46.115	ug/l	100
71) Bromoform	12.12	173	80631	49.101	ug/l #	99
73) Isopropylbenzene	12.24	105	500646	44.532	ug/l	99
74) N-amyl acetate	12.06	43	220816	44.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149742	49.000	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	121427m	36.488	ug/l	
77) Bromobenzene	12.52	156	120626	43.772	ug/l	98
78) n-propylbenzene	12.59	91	587592	44.589	ug/l	100
79) 2-Chlorotoluene	12.67	91	344391	44.459	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	423180	44.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55919	46.385	ug/l #	85
82) 4-Chlorotoluene	12.77	91	360840	44.213	ug/l	98
83) tert-Butylbenzene	12.99	119	364459	44.472	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	423356	44.312	ug/l	100
85) sec-Butylbenzene	13.17	105	494499	45.060	ug/l	99
86) p-Isopropyltoluene	13.28	119	446853	43.993	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	218746	46.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219557	46.607	ug/l	99
89) n-Butylbenzene	13.61	91	413112	44.305	ug/l	100
90) Hexachloroethane	13.87	117	63088	42.910	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	214536	44.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31733	45.855	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137726	44.896	ug/l	99
94) Hexachlorobutadiene	15.01	225	66788	47.322	ug/l	99
95) Naphthalene	15.13	128	399524	44.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129758	44.886	ug/l	100

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

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