

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060296.D
 Acq On : 28 Feb 2020 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:47 AM

Quant Time: Feb 29 02:38:39 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	198874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130056	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.56	113	78476	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.08	98	387315	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	149149	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82393	45.187	ug/l	100
3) Chloromethane	2.04	50	148826	46.881	ug/l	99
4) Vinyl Chloride	2.16	62	124690	45.799	ug/l	100
5) Bromomethane	2.54	94	44113	39.762	ug/l	100
6) Chloroethane	2.68	64	67835	45.987	ug/l	96
7) Trichlorofluoromethane	3.00	101	161712	46.490	ug/l	100
8) Diethyl Ether	3.38	74	61564	46.876	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91373	46.415	ug/l	99
10) Methyl Iodide	3.93	142	76514	42.587	ug/l	99
11) Tert butyl alcohol	4.72	59	81921	216.221	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92028	48.164	ug/l	97
13) Acrolein	3.58	56	87064	246.321	ug/l	99
14) Allyl chloride	4.29	41	150583	42.745	ug/l	91
15) Acrylonitrile	4.94	53	251008	251.348	ug/l	99
16) Acetone	3.78	43	203703	247.217	ug/l	98
17) Carbon Disulfide	4.03	76	241741	47.645	ug/l	100
18) Methyl Acetate	4.28	43	124517	45.283	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	329436	47.490	ug/l	100
20) Methylene Chloride	4.52	84	104129	46.015	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	97936	47.689	ug/l	96
22) Diisopropyl ether	5.91	45	345611	48.434	ug/l	98
23) Vinyl Acetate	5.86	43	1405733	247.912	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193223	47.836	ug/l	99
25) 2-Butanone	6.80	43	328261	246.640	ug/l	100
26) 2,2-Dichloropropane	6.80	77	157647	42.870	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	115289	43.937	ug/l	100
28) Bromochloromethane	7.17	49	76175	45.931	ug/l	96
29) Tetrahydrofuran	7.18	42	221166	238.969	ug/l	100
30) Chloroform	7.35	83	192762	47.938	ug/l	100
31) Cyclohexane	7.63	56	168413	48.827	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	169470	47.568	ug/l	100
36) 1,1-Dichloropropene	7.77	75	141516	44.956	ug/l	99
37) Ethyl Acetate	6.90	43	143132	48.021	ug/l	100
38) Carbon Tetrachloride	7.75	117	141988	46.328	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	167898	45.237	ug/l	98
40) Benzene	8.02	78	422831	46.150	ug/l	100
41) Methacrylonitrile	7.14	41	57541m	41.809	ug/l	
42) 1,2-Dichloroethane	8.10	62	154306	46.672	ug/l	100
43) Isopropyl Acetate	8.14	43	249337	47.783	ug/l	99
44) Trichloroethene	8.82	130	113793	44.595	ug/l	99
45) 1,2-Dichloropropane	9.10	63	115918	48.391	ug/l	99
46) Dibromomethane	9.19	93	72560	46.683	ug/l	99
47) Bromodichloromethane	9.39	83	153635	48.600	ug/l	98
48) Methyl methacrylate	9.18	41	112088	47.105	ug/l	99
49) 1,4-Dioxane	9.18	88	27907	833.976	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	732813	247.691	ug/l	100
52) Toluene	10.14	92	267358	46.454	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	174670	45.093	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	184915	46.070	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107534	46.462	ug/l	99
56) Ethyl methacrylate	10.42	69	166430	50.053	ug/l	100
57) 1,3-Dichloropropane	10.70	76	180409	47.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	433228	249.122	ug/l	100
59) 2-Hexanone	10.74	43	533540	245.615	ug/l	100
60) Dibromochloromethane	10.89	129	113723	48.317	ug/l	99
61) 1,2-Dibromoethane	10.99	107	109007	48.315	ug/l	98
64) Tetrachloroethene	10.62	164	114528	46.426	ug/l	97
65) Chlorobenzene	11.43	112	282873	44.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	108085	46.306	ug/l	100
67) Ethyl Benzene	11.50	91	522899	45.484	ug/l	100
68) m/p-Xylenes	11.62	106	389399	89.776	ug/l	100
69) o-Xylene	11.94	106	188772	45.640	ug/l	99
70) Styrene	11.96	104	314674	46.273	ug/l	100
71) Bromoform	12.12	173	82110	48.810	ug/l #	100
73) Isopropylbenzene	12.24	105	511826	45.025	ug/l	99
74) N-amyl acetate	12.06	43	230614	46.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149194	48.283	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135695m	40.326	ug/l	
77) Bromobenzene	12.52	156	125624	45.083	ug/l	99
78) n-propylbenzene	12.59	91	602478	45.214	ug/l	99
79) 2-Chlorotoluene	12.67	91	347256	44.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	432762	45.216	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57554	47.215	ug/l #	84
82) 4-Chlorotoluene	12.77	91	365857	44.334	ug/l	99
83) tert-Butylbenzene	12.99	119	368832	44.510	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	438186	45.359	ug/l	99
85) sec-Butylbenzene	13.17	105	498945	44.964	ug/l	100
86) p-Isopropyltoluene	13.28	119	452082	44.017	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	224127	46.797	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	222483	46.708	ug/l	100
89) n-Butylbenzene	13.61	91	416490	44.175	ug/l	100
90) Hexachloroethane	13.87	117	66004	44.398	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	214242	43.878	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32814	46.894	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	145611	46.939	ug/l	99
94) Hexachlorobutadiene	15.01	225	65165	45.642	ug/l	98
95) Naphthalene	15.13	128	431227	47.174	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138208	47.292	ug/l	100

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

