

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061116.D
 Acq On : 20 Apr 2020 20:46
 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
 4/21/2020 12:02:35 PM

Quant Time: Apr 21 06:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	151378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	95335	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.56	113	74918	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.08	98	268779	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	107935	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	96555	48.270	ug/l	99
3) Chloromethane	2.04	50	129753	48.328	ug/l	99
4) Vinyl Chloride	2.17	62	110460	49.508	ug/l	99
5) Bromomethane	2.55	94	56141	50.176	ug/l	96
6) Chloroethane	2.69	64	65737	51.076	ug/l	100
7) Trichlorofluoromethane	3.00	101	140187	50.469	ug/l	100
8) Diethyl Ether	3.38	74	54197	49.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78768	48.333	ug/l	100
10) Methyl Iodide	3.93	142	75271	52.355	ug/l	99
11) Tert butyl alcohol	4.72	59	71356	207.650	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82547	49.830	ug/l	99
13) Acrolein	3.57	56	67101	231.265	ug/l	99
14) Allyl chloride	4.29	41	146389	46.705	ug/l	99
15) Acrylonitrile	4.94	53	229363	246.170	ug/l	99
16) Acetone	3.78	43	181459	212.861	ug/l	100
17) Carbon Disulfide	4.03	76	251185	48.457	ug/l	99
18) Methyl Acetate	4.28	43	131451	49.174	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	281881	48.801	ug/l	99
20) Methylene Chloride	4.52	84	91949	49.402	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	88113	49.731	ug/l	97
22) Diisopropyl ether	5.91	45	326458	50.150	ug/l	99
23) Vinyl Acetate	5.86	43	1267820	248.363	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173765	49.423	ug/l	99
25) 2-Butanone	6.80	43	299986	229.644	ug/l	100
26) 2,2-Dichloropropane	6.79	77	132843	45.379	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100757	49.533	ug/l	99
28) Bromochloromethane	7.17	49	81785	50.677	ug/l	100
29) Tetrahydrofuran	7.18	42	205311	231.509	ug/l	99
30) Chloroform	7.35	83	165040	50.327	ug/l	100
31) Cyclohexane	7.63	56	167450	46.413	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	141355	49.834	ug/l	99
36) 1,1-Dichloropropene	7.77	75	130878	49.591	ug/l	100
37) Ethyl Acetate	6.89	43	133193	46.479	ug/l	100
38) Carbon Tetrachloride	7.75	117	113280	51.567	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	152833	48.438	ug/l	99
40) Benzene	8.02	78	384793	49.147	ug/l	100
41) Methacrylonitrile	7.14	41	57073m	47.749	ug/l	
42) 1,2-Dichloroethane	8.10	62	133726	50.138	ug/l	100
43) Isopropyl Acetate	8.14	43	226604	48.621	ug/l	100
44) Trichloroethene	8.81	130	94363	47.966	ug/l	99
45) 1,2-Dichloropropane	9.10	63	103604	48.991	ug/l	98
46) Dibromomethane	9.19	93	62429	51.202	ug/l	100
47) Bromodichloromethane	9.38	83	130053	50.491	ug/l	98
48) Methyl methacrylate	9.18	41	101286	49.176	ug/l	99
49) 1,4-Dioxane	9.18	88	23357	819.239	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	654080	243.450	ug/l	99
52) Toluene	10.14	92	230479	49.070	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	148515	49.638	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	160774	49.249	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	88358	49.710	ug/l	94
56) Ethyl methacrylate	10.42	69	141288	50.549	ug/l	98
57) 1,3-Dichloropropane	10.70	76	157985	49.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	311250	245.064	ug/l	100
59) 2-Hexanone	10.74	43	467236	241.141	ug/l	99
60) Dibromochloromethane	10.89	129	94441	51.723	ug/l	99
61) 1,2-Dibromoethane	10.99	107	90766	50.113	ug/l	98
64) Tetrachloroethene	10.62	164	88965	49.401	ug/l	99
65) Chlorobenzene	11.42	112	235172	48.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86324	49.664	ug/l	99
67) Ethyl Benzene	11.50	91	451013	49.352	ug/l	100
68) m/p-Xylenes	11.61	106	327318	99.106	ug/l	100
69) o-Xylene	11.94	106	156114	49.162	ug/l	99
70) Styrene	11.96	104	263315	51.507	ug/l	99
71) Bromoform	12.12	173	66565	51.306	ug/l #	100
73) Isopropylbenzene	12.24	105	425776	48.114	ug/l	99
74) N-amyl acetate	12.06	43	196219	47.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129378	47.895	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110785m	45.598	ug/l	
77) Bromobenzene	12.52	156	99915	48.358	ug/l	98
78) n-propylbenzene	12.58	91	505283	48.804	ug/l	100
79) 2-Chlorotoluene	12.67	91	294984	48.579	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	359191	49.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	43633	44.297	ug/l	99
82) 4-Chlorotoluene	12.77	91	308308	48.955	ug/l	100
83) tert-Butylbenzene	12.99	119	299649	48.712	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	356906	49.363	ug/l	99
85) sec-Butylbenzene	13.17	105	410256	49.222	ug/l	99
86) p-Isopropyltoluene	13.28	119	363246	48.942	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	179272	48.687	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	177529	47.924	ug/l	100
89) n-Butylbenzene	13.61	91	339954	49.256	ug/l	99
90) Hexachloroethane	13.87	117	56885	49.956	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	172433	49.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25202	48.206	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	105828	50.877	ug/l	99
94) Hexachlorobutadiene	15.01	225	50908	47.575	ug/l	99
95) Naphthalene	15.13	128	308370	50.833	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	101632	50.700	ug/l	99

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

