

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060621.D
 Acq On : 19 Mar 2020 3:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:59:34 PM

Quant Time: Mar 19 09:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	345684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	136106	49.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.14%	
35) Dibromofluoromethane	7.56	113	101195	48.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.82%	
50) Toluene-d8	10.08	98	406163	47.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.39	95	149601	47.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	98129	50.708	ug/l	99
3) Chloromethane	2.04	50	172995	47.864	ug/l	99
4) Vinyl Chloride	2.16	62	141291	49.980	ug/l	99
5) Bromomethane	2.54	94	63512	52.044	ug/l	99
6) Chloroethane	2.68	64	83363	51.192	ug/l	99
7) Trichlorofluoromethane	3.00	101	175270	50.331	ug/l	99
8) Diethyl Ether	3.38	74	72506	51.829	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100536	49.824	ug/l	99
10) Methyl Iodide	3.93	142	92273	51.390	ug/l	100
11) Tert butyl alcohol	4.73	59	98391	243.673	ug/l	99
12) 1,1-Dichloroethene	3.72	96	107469	49.631	ug/l	96
13) Acrolein	3.57	56	100771	225.181	ug/l	99
14) Allyl chloride	4.29	41	186786	49.045	ug/l	99
15) Acrylonitrile	4.94	53	304483	256.437	ug/l	99
16) Acetone	3.78	43	246181	253.135	ug/l	99
17) Carbon Disulfide	4.03	76	327398	49.715	ug/l	99
18) Methyl Acetate	4.29	43	136161	49.741	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	376121	50.521	ug/l	98
20) Methylene Chloride	4.52	84	119996	50.158	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	117412	50.876	ug/l	95
22) Diisopropyl ether	5.91	45	420038	52.204	ug/l	99
23) Vinyl Acetate	5.86	43	1743256	265.542	ug/l	100
24) 1,1-Dichloroethane	5.82	63	227369	51.836	ug/l	99
25) 2-Butanone	6.80	43	398715	253.359	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148670	43.079	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	131914	50.300	ug/l	99
28) Bromochloromethane	7.17	49	113248	53.964	ug/l	100
29) Tetrahydrofuran	7.18	42	279569	251.079	ug/l	99
30) Chloroform	7.35	83	214704	51.060	ug/l	100
31) Cyclohexane	7.63	56	209706	47.423	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	186330	51.402	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166294	49.680	ug/l	100
37) Ethyl Acetate	6.90	43	175280	48.463	ug/l	99
38) Carbon Tetrachloride	7.75	117	150061	50.020	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	188769	47.455	ug/l	99
40) Benzene	8.02	78	502559	49.735	ug/l	99
41) Methacrylonitrile	7.14	41	69271m	44.878	ug/l	
42) 1,2-Dichloroethane	8.10	62	174571	50.552	ug/l	99
43) Isopropyl Acetate	8.14	43	299748	50.252	ug/l	100
44) Trichloroethene	8.82	130	126429	49.633	ug/l	97
45) 1,2-Dichloropropane	9.10	63	136797	51.306	ug/l	97
46) Dibromomethane	9.19	93	81393	50.494	ug/l	100
47) Bromodichloromethane	9.39	83	170611	50.935	ug/l	99
48) Methyl methacrylate	9.18	41	132072	49.731	ug/l	98
49) 1,4-Dioxane	9.18	88	32762	1037.879	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	863501	254.401	ug/l	100
52) Toluene	10.14	92	303645	49.757	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	192089	49.924	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	208334	49.356	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	117313	49.969	ug/l	99
56) Ethyl methacrylate	10.42	69	188899	51.603	ug/l	99
57) 1,3-Dichloropropane	10.70	76	206788	50.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	460797	253.271	ug/l	99
59) 2-Hexanone	10.74	43	620887	253.935	ug/l	100
60) Dibromochloromethane	10.89	129	124310	51.260	ug/l	99
61) 1,2-Dibromoethane	10.99	107	121959	51.661	ug/l	98
64) Tetrachloroethene	10.62	164	119931	48.057	ug/l	98
65) Chlorobenzene	11.43	112	311139	49.489	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114327	50.225	ug/l	98
67) Ethyl Benzene	11.50	91	583219	49.883	ug/l	99
68) m/p-Xylenes	11.61	106	432778	99.611	ug/l	100
69) o-Xylene	11.94	106	206072	49.686	ug/l	100
70) Styrene	11.96	104	341959	50.413	ug/l	100
71) Bromoform	12.12	173	87477	46.364	ug/l #	99
73) Isopropylbenzene	12.24	105	547948	49.245	ug/l	100
74) N-amyl acetate	12.06	43	261344	50.828	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	166604	49.512	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	150235m	46.958	ug/l	
77) Bromobenzene	12.52	156	131299	48.970	ug/l	99
78) n-propylbenzene	12.59	91	645136	49.075	ug/l	99
79) 2-Chlorotoluene	12.67	91	380806	48.481	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	460570	48.775	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58786	47.191	ug/l	98
82) 4-Chlorotoluene	12.77	91	395772	49.472	ug/l	99
83) tert-Butylbenzene	12.99	119	381314	48.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	462511	49.510	ug/l	99
85) sec-Butylbenzene	13.17	105	508495	48.309	ug/l	100
86) p-Isopropyltoluene	13.28	119	452607	47.818	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	230145	48.668	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	231172	48.657	ug/l	99
89) n-Butylbenzene	13.61	91	406085	47.519	ug/l	99
90) Hexachloroethane	13.87	117	68599	49.859	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	223791	49.492	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33180	47.062	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	132067	47.561	ug/l	99
94) Hexachlorobutadiene	15.00	225	59724	43.875	ug/l	100
95) Naphthalene	15.13	128	406286	48.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129230	47.249	ug/l	100

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

