

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060433.D
 Acq On : 10 Mar 2020 21:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:16 PM

Quant Time: Mar 11 07:54:57 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	191975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	119735	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
35) Dibromofluoromethane	7.57	113	88672	59.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.56%	
50) Toluene-d8	10.08	98	353042	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.40	95	137049	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	72189	41.014	ug/l	100
3) Chloromethane	2.04	50	134576	43.916	ug/l	100
4) Vinyl Chloride	2.16	62	110589	42.080	ug/l	99
5) Bromomethane	2.54	94	43686	40.857	ug/l	99
6) Chloroethane	2.68	64	61070	42.889	ug/l	97
7) Trichlorofluoromethane	3.00	101	147553	43.944	ug/l	99
8) Diethyl Ether	3.38	74	58128	45.850	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86380	45.456	ug/l	100
10) Methyl Iodide	3.93	142	63644	36.697	ug/l	99
11) Tert butyl alcohol	4.73	59	89093	243.601	ug/l	99
12) 1,1-Dichloroethene	3.72	96	84413	45.762	ug/l	98
13) Acrolein	3.58	56	90067	263.974	ug/l	100
14) Allyl chloride	4.29	41	145757	42.862	ug/l	92
15) Acrylonitrile	4.94	53	254440	263.941	ug/l	99
16) Acetone	3.78	43	207853	261.319	ug/l	100
17) Carbon Disulfide	4.03	76	205389	41.849	ug/l	99
18) Methyl Acetate	4.29	43	144640	54.491	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	323636	48.331	ug/l	98
20) Methylene Chloride	4.52	84	100627	46.066	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	90329	45.547	ug/l	95
22) Diisopropyl ether	5.92	45	351425	51.018	ug/l	99
23) Vinyl Acetate	5.86	43	1333444	243.614	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189859	48.692	ug/l	99
25) 2-Butanone	6.80	43	338419	263.411	ug/l	100
26) 2,2-Dichloropropane	6.80	77	146638	41.310	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	114331	45.137	ug/l	99
28) Bromochloromethane	7.17	49	77999	48.721	ug/l	97
29) Tetrahydrofuran	7.18	42	226896	253.971	ug/l	99
30) Chloroform	7.35	83	191276	49.278	ug/l	99
31) Cyclohexane	7.63	56	160238	48.107	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	166261	48.345	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136713	44.885	ug/l	99
37) Ethyl Acetate	6.90	43	144659	50.159	ug/l	99
38) Carbon Tetrachloride	7.75	117	136245	45.944	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152415	42.441	ug/l	96
40) Benzene	8.02	78	415473	46.866	ug/l	99
41) Methacrylonitrile	7.14	41	55748m	41.864	ug/l	
42) 1,2-Dichloroethane	8.10	62	153269	47.911	ug/l	99
43) Isopropyl Acetate	8.14	43	250634	49.641	ug/l	99
44) Trichloroethene	8.82	130	110193	44.631	ug/l	96
45) 1,2-Dichloropropane	9.10	63	116831	50.406	ug/l	99
46) Dibromomethane	9.19	93	72463	48.182	ug/l	98
47) Bromodichloromethane	9.39	83	153075	50.044	ug/l	100
48) Methyl methacrylate	9.18	41	114111	49.562	ug/l	98
49) 1,4-Dioxane	9.18	88	30539	943.204	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	750460	262.153	ug/l	100
52) Toluene	10.14	92	261023	46.873	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	171486	45.754	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	180300	46.425	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106615	47.608	ug/l	99
56) Ethyl methacrylate	10.42	69	164223	51.044	ug/l	98
57) 1,3-Dichloropropane	10.70	76	180334	49.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	411008	244.262	ug/l	99
59) 2-Hexanone	10.74	43	543340	258.506	ug/l	100
60) Dibromochloromethane	10.89	129	114209	50.149	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107338	49.169	ug/l	98
64) Tetrachloroethene	10.62	164	108458	45.645	ug/l	98
65) Chlorobenzene	11.43	112	276923	45.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106780	47.519	ug/l	99
67) Ethyl Benzene	11.51	91	510154	46.094	ug/l	100
68) m/p-Xylenes	11.62	106	377274	90.350	ug/l	99
69) o-Xylene	11.94	106	185504	46.587	ug/l	99
70) Styrene	11.96	104	308990	47.197	ug/l	100
71) Bromoform	12.12	173	81784	50.499	ug/l #	100
73) Isopropylbenzene	12.25	105	499306	45.293	ug/l	99
74) N-amyl acetate	12.07	43	214533	44.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	154396	51.524	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	130688m	40.049	ug/l	
77) Bromobenzene	12.52	156	121745	45.053	ug/l	98
78) n-propylbenzene	12.59	91	587433	45.459	ug/l	100
79) 2-Chlorotoluene	12.67	91	345388	45.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	419322	45.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54724	46.293	ug/l #	86
82) 4-Chlorotoluene	12.77	91	357238	44.639	ug/l	99
83) tert-Butylbenzene	12.99	119	360090	44.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	420021	44.834	ug/l	99
85) sec-Butylbenzene	13.17	105	480808	44.680	ug/l	100
86) p-Isopropyltoluene	13.28	119	433800	43.554	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	217377	46.803	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218015	47.200	ug/l	99
89) n-Butylbenzene	13.61	91	391437	42.812	ug/l	100
90) Hexachloroethane	13.87	117	60343	41.856	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	212999	44.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31720	46.744	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	133248	44.297	ug/l	100
94) Hexachlorobutadiene	15.01	225	61749	44.585	ug/l	99
95) Naphthalene	15.13	128	399419	45.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128226	45.236	ug/l	100

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

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