

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055600.D
 Acq On : 17 May 2019 10:16
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:09:57 AM

Quant Time: May 17 23:34:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	485563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	75711	22.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.82%	
35) Dibromofluoromethane	7.59	113	66099	20.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.46%	
50) Toluene-d8	10.09	98	248162	21.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.44%	
62) 4-Bromofluorobenzene	12.40	95	83444	22.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	47754	17.742	ug/l	97
3) Chloromethane	2.06	50	63325	18.828	ug/l	100
4) Vinyl Chloride	2.18	62	69576	19.111	ug/l	99
5) Bromomethane	2.57	94	45213	17.148	ug/l	98
6) Chloroethane	2.71	64	39232	16.857	ug/l	98
7) Trichlorofluoromethane	3.03	101	92104	17.895	ug/l	98
8) Diethyl Ether	3.41	74	37362	20.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	55981	17.906	ug/l	99
10) Methyl Iodide	3.96	142	79239	17.418	ug/l	99
11) Tert butyl alcohol	4.77	59	66714	224.627	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	58308	19.792	ug/l	99
13) Acrolein	3.61	56	32208	192.938	ug/l	97
14) Allyl chloride	4.33	41	96667	21.391	ug/l	99
15) Acrylonitrile	4.99	53	147459	134.799	ug/l	100
16) Acetone	3.81	43	146358	147.813	ug/l	98
17) Carbon Disulfide	4.06	76	160585	17.893	ug/l	99
18) Methyl Acetate	4.32	43	58747	25.627	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	195365	25.078	ug/l	99
20) Methylene Chloride	4.55	84	64341	19.280	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	62167	20.113	ug/l	98
22) Diisopropyl ether	5.95	45	185609	22.079	ug/l	95
23) Vinyl Acetate	5.90	43	806361	128.700	ug/l	100
24) 1,1-Dichloroethane	5.85	63	111365	19.797	ug/l	98
25) 2-Butanone	6.83	43	200633	154.476	ug/l	100
26) 2,2-Dichloropropane	6.82	77	97019	22.279	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	72360	20.814	ug/l	99
28) Bromochloromethane	7.20	49	50196	20.436	ug/l	100
29) Tetrahydrofuran	7.21	42	131167	156.745	ug/l	99
30) Chloroform	7.37	83	112561	19.919	ug/l	99
31) Cyclohexane	7.66	56	104807	17.918	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	99877	20.531	ug/l	99
36) 1,1-Dichloropropene	7.80	75	84988	19.150	ug/l	100
37) Ethyl Acetate	6.93	43	80574	29.696	ug/l	99
38) Carbon Tetrachloride	7.78	117	90521	18.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101568	19.966	ug/l	97
40) Benzene	8.04	78	257571	19.755	ug/l	99
41) Methacrylonitrile	7.17	41	28099m	20.260	ug/l	
42) 1,2-Dichloroethane	8.13	62	82665	20.804	ug/l	99
43) Isopropyl Acetate	8.16	43	132648	25.838	ug/l	99
44) Trichloroethene	8.84	130	71767	19.637	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68327	20.409	ug/l	97
46) Dibromomethane	9.21	93	44008	21.526	ug/l	99
47) Bromodichloromethane	9.40	83	90406	21.070	ug/l	99
48) Methyl methacrylate	9.20	41	61230	27.705	ug/l	98
49) 1,4-Dioxane	9.20	88	24662	688.411	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	394944	161.370	ug/l	100
52) Toluene	10.16	92	156361	20.288	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98451	23.257	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	109854	22.500	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	64880	22.545	ug/l	99
56) Ethyl methacrylate	10.43	69	99674	28.966	ug/l	99
57) 1,3-Dichloropropane	10.71	76	104913	22.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	217051	143.234	ug/l	100
59) 2-Hexanone	10.75	43	275063	163.530	ug/l	99
60) Dibromochloromethane	10.90	129	74021	22.194	ug/l	100
61) 1,2-Dibromoethane	11.01	107	65747	22.938	ug/l	100
64) Tetrachloroethene	10.63	164	65875	18.073	ug/l	96
65) Chlorobenzene	11.43	112	165614	19.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67834	21.303	ug/l	99
67) Ethyl Benzene	11.51	91	295927	20.987	ug/l	99
68) m/p-Xylenes	11.62	106	223114	41.134	ug/l	99
69) o-Xylene	11.95	106	111129	21.238	ug/l	97
70) Styrene	11.96	104	182826	22.057	ug/l	100
71) Bromoform	12.13	173	57556	24.476	ug/l #	100
73) Isopropylbenzene	12.25	105	292424	22.626	ug/l	100
74) N-amyl acetate	12.07	43	103325	31.316	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	88820	27.521	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72683m	25.930	ug/l	
77) Bromobenzene	12.53	156	74756	21.642	ug/l	99
78) n-propylbenzene	12.59	91	316779	22.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	190749	21.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	244061	22.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29141	32.120	ug/l	99
82) 4-Chlorotoluene	12.77	91	184871	21.379	ug/l	100
83) tert-Butylbenzene	12.99	119	213909	22.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241555	22.570	ug/l	99
85) sec-Butylbenzene	13.17	105	272071	21.210	ug/l	100
86) p-Isopropyltoluene	13.29	119	247617	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123036	20.480	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	118708	19.654	ug/l	99
89) n-Butylbenzene	13.61	91	200056	21.766	ug/l	100
90) Hexachloroethane	13.87	117	48305	22.130	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	123682	20.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17327	34.030	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65870	21.341	ug/l	100
94) Hexachlorobutadiene	15.01	225	43868	17.886	ug/l	99
95) Naphthalene	15.13	128	177436	28.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69599	23.129	ug/l	100

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

