

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049770.D
 Acq On : 12 Jul 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:09 PM

Quant Time: Jul 12 15:45:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1204289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1747001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	811320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	263578	16.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.14%	
35) Dibromofluoromethane	7.59	113	245631	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
50) Toluene-d8	10.09	98	818207	16.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.00%	
62) 4-Bromofluorobenzene	12.40	95	288656	16.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230639	16.99	ug/l	98
3) Chloromethane	2.06	50	297418	17.55	ug/l	99
4) Vinyl Chloride	2.18	62	328516	18.04	ug/l	99
5) Bromomethane	2.57	94	206149	21.56	ug/l	92
6) Chloroethane	2.70	64	214878	18.65	ug/l	97
7) Trichlorofluoromethane	3.01	101	468373	22.52	ug/l	98
8) Diethyl Ether	3.41	74	168047	19.94	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	294499	19.68	ug/l	100
10) Methyl Iodide	3.95	142	376908	20.13	ug/l	99
11) Tert butyl alcohol	4.81	59	103316	113.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	256522	18.14	ug/l	99
13) Acrolein	3.61	56	92524	108.54	ug/l	98
14) Allyl chloride	4.32	41	411437	21.18	ug/l	98
15) Acrylonitrile	4.99	53	493436	104.69	ug/l	99
16) Acetone	3.82	43	384193	97.54	ug/l	98
17) Carbon Disulfide	4.05	76	709120	16.54	ug/l	100
18) Methyl Acetate	4.33	43	262558	10.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	746638	20.48	ug/l	99
20) Methylene Chloride	4.55	84	309362	18.89	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	278999	19.17	ug/l	97
22) Diisopropyl ether	5.96	45	904064	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	3019665	105.93	ug/l	100
24) 1,1-Dichloroethane	5.85	63	543087	19.61	ug/l	99
25) 2-Butanone	6.84	43	575485	109.00	ug/l	100
26) 2,2-Dichloropropane	6.83	77	454466	19.76	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	320047	19.68	ug/l	98
28) Bromochloromethane	7.19	49	260720	22.18	ug/l	99
29) Tetrahydrofuran	7.22	42	368880	109.62	ug/l	99
30) Chloroform	7.37	83	559478	19.82	ug/l	98
31) Cyclohexane	7.65	56	448338	16.44	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	474828	19.87	ug/l	99
36) 1,1-Dichloropropene	7.79	75	405141	20.61	ug/l	99
37) Ethyl Acetate	6.93	43	262869	22.93	ug/l	98
38) Carbon Tetrachloride	7.77	117	421243	22.03	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	416637	19.33	ug/l	97
40) Benzene	8.04	78	1225916	20.43	ug/l	100
41) Methacrylonitrile	7.17	41	125169	19.37	ug/l	93
42) 1,2-Dichloroethane	8.12	62	399121	20.84	ug/l	99
43) Isopropyl Acetate	8.17	43	452659	16.71	ug/l	96
44) Trichloroethene	8.84	130	323216	17.86	ug/l	98
45) 1,2-Dichloropropane	9.12	63	325418	20.99	ug/l	97
46) Dibromomethane	9.21	93	197772	21.08	ug/l	97
47) Bromodichloromethane	9.40	83	424803	21.27	ug/l	99
48) Methyl methacrylate	9.20	41	213617	20.97	ug/l	97
49) 1,4-Dioxane	9.20	88	59820	436.78	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1289400	114.72	ug/l	100
52) Toluene	10.16	92	748356	20.64	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	413015	21.60	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	478931	21.43	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	295326	21.88	ug/l	99
56) Ethyl methacrylate	10.43	69	345784	21.85	ug/l	98
57) 1,3-Dichloropropane	10.71	76	466559	21.31	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	851118	115.54	ug/l	99
59) 2-Hexanone	10.75	43	852441	114.69	ug/l	98
60) Dibromochloromethane	10.90	129	325807	22.33	ug/l	100
61) 1,2-Dibromoethane	11.01	107	269418	20.83	ug/l	99
64) Tetrachloroethene	10.63	164	291393	13.64	ug/l	98
65) Chlorobenzene	11.44	112	820433	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	316046	21.38	ug/l	100
67) Ethyl Benzene	11.51	91	1370797	20.15	ug/l	100
68) m/p-Xylenes	11.62	106	1060807	40.70	ug/l	100
69) o-Xylene	11.95	106	507090	20.32	ug/l	98
70) Styrene	11.97	104	828570	20.52	ug/l	100
71) Bromoform	12.13	173	222516	22.65	ug/l #	97
73) Isopropylbenzene	12.25	105	1378239	21.33	ug/l	100
74) N-amyl acetate	12.07	43	368969	20.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	362277	23.74	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	301984m	23.21	ug/l	
77) Bromobenzene	12.53	156	351398	20.00	ug/l	99
78) n-propylbenzene	12.59	91	1560092	21.06	ug/l	100
79) 2-Chlorotoluene	12.68	91	955616	20.39	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1123891	20.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89460	23.35	ug/l	97
82) 4-Chlorotoluene	12.78	91	962404	20.42	ug/l	100
83) tert-Butylbenzene	12.99	119	972836	21.09	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1148840	20.82	ug/l	100
85) sec-Butylbenzene	13.17	105	1325360	21.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	1129278	21.33	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	627982	19.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	603797	18.64	ug/l	99
89) n-Butylbenzene	13.62	91	892559	19.69	ug/l	100
90) Hexachloroethane	13.88	117	218498	39.29	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	621282	19.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52874	19.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	290654	20.02	ug/l	98
94) Hexachlorobutadiene	15.01	225	198256	19.69	ug/l	98
95) Naphthalene	15.14	128	578694	18.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	293264	19.63	ug/l	98

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

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