

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050012.D
 Acq On : 23 Jul 2018 18:22
 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
 7/26/2018 1:50:47 PM

Quant Time: Jul 24 06:01:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 05:50:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	819871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	421041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	170240	20.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.32%	
35) Dibromofluoromethane	7.59	113	147312	19.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.24%	
50) Toluene-d8	10.09	98	535024	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	
62) 4-Bromofluorobenzene	12.40	95	167789	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	200197	27.79	ug/l	99
3) Chloromethane	2.06	50	193816	22.31	ug/l	100
4) Vinyl Chloride	2.18	62	207962	22.58	ug/l	99
5) Bromomethane	2.56	94	119665	20.36	ug/l	96
6) Chloroethane	2.70	64	120121	20.30	ug/l	100
7) Trichlorofluoromethane	3.01	101	269492	21.56	ug/l	99
8) Diethyl Ether	3.41	74	87310	20.19	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	158854	20.70	ug/l	100
10) Methyl Iodide	3.95	142	204784	20.04	ug/l	100
11) Tert butyl alcohol	4.81	59	61841	101.92	ug/l	99
12) 1,1-Dichloroethene	3.73	96	141924	20.98	ug/l	99
13) Acrolein	3.61	56	50966	124.05	ug/l	95
14) Allyl chloride	4.32	41	216601	20.43	ug/l	99
15) Acrylonitrile	5.00	53	273293	102.96	ug/l	99
16) Acetone	3.82	43	212241	96.41	ug/l	100
17) Carbon Disulfide	4.05	76	431479	21.22	ug/l	99
18) Methyl Acetate	4.33	43	169892	20.17	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	385735	20.92	ug/l	99
20) Methylene Chloride	4.55	84	163148	19.48	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	152408	21.35	ug/l	99
22) Diisopropyl ether	5.96	45	462740	21.52	ug/l	95
23) Vinyl Acetate	5.90	43	1573732	104.45	ug/l	99
24) 1,1-Dichloroethane	5.85	63	292165	21.06	ug/l	99
25) 2-Butanone	6.85	43	327901	104.24	ug/l	99
26) 2,2-Dichloropropane	6.83	77	216233	20.11	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	164300	21.04	ug/l	99
28) Bromochloromethane	7.20	49	133235	21.42	ug/l	99
29) Tetrahydrofuran	7.22	42	213906	108.09	ug/l	99
30) Chloroform	7.37	83	289211	20.38	ug/l	99
31) Cyclohexane	7.66	56	231558	17.82	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	251046	20.43	ug/l	99
36) 1,1-Dichloropropene	7.80	75	216422	21.09	ug/l	98
37) Ethyl Acetate	6.94	43	146262	20.83	ug/l	99
38) Carbon Tetrachloride	7.78	117	219930	20.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.09	83	208261	19.62	ug/l	96
40) Benzene	8.05	78	647447	20.66	ug/l	100
41) Methacrylonitrile	7.18	41	76761	22.28	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	214479	20.72	ug/l	99
43) Isopropyl Acetate	8.17	43	279492	22.62	ug/l	98
44) Trichloroethene	8.84	130	170065	20.72	ug/l	97
45) 1,2-Dichloropropane	9.12	63	170940	20.30	ug/l	97
46) Dibromomethane	9.21	93	105928	20.28	ug/l	99
47) Bromodichloromethane	9.41	83	217410	20.14	ug/l	100
48) Methyl methacrylate	9.20	41	127503	20.56	ug/l	98
49) 1,4-Dioxane	9.20	88	34655	400.79	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	740433	107.68	ug/l	98
52) Toluene	10.16	92	388667	20.86	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	206913	19.44	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	239036	20.28	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	151486	19.74	ug/l	98
56) Ethyl methacrylate	10.43	69	172900	19.41	ug/l	98
57) 1,3-Dichloropropane	10.71	76	245401	20.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	411913	101.36	ug/l	99
59) 2-Hexanone	10.75	43	485157	105.19	ug/l	99
60) Dibromochloromethane	10.90	129	166938	19.85	ug/l	100
61) 1,2-Dibromoethane	11.01	107	145128	20.20	ug/l	98
64) Tetrachloroethene	10.63	164	166393	22.18	ug/l	97
65) Chlorobenzene	11.44	112	414464	20.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	158888	19.84	ug/l	99
67) Ethyl Benzene	11.51	91	681368	20.31	ug/l	99
68) m/p-Xylenes	11.62	106	538229	42.43	ug/l	99
69) o-Xylene	11.95	106	249835	20.52	ug/l	100
70) Styrene	11.97	104	407938	20.77	ug/l	99
71) Bromoform	12.13	173	116212	20.36	ug/l #	100
73) Isopropylbenzene	12.25	105	664802	20.66	ug/l	99
74) N-amyl acetate	12.07	43	196273	20.08	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	191335	19.89	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	152759m	19.39	ug/l	
77) Bromobenzene	12.53	156	174777	19.68	ug/l	98
78) n-propylbenzene	12.59	91	765602	20.94	ug/l	100
79) 2-Chlorotoluene	12.68	91	466799	20.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	553382	21.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49105	19.41	ug/l	95
82) 4-Chlorotoluene	12.78	91	463864	20.61	ug/l	99
83) tert-Butylbenzene	12.99	119	460923	20.43	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	564705	21.65	ug/l	100
85) sec-Butylbenzene	13.17	105	631839	21.16	ug/l	100
86) p-Isopropyltoluene	13.29	119	537855	21.12	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	311988	20.19	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	297917	19.25	ug/l	98
89) n-Butylbenzene	13.62	91	415101	19.77	ug/l	97
90) Hexachloroethane	13.88	117	106146	18.60	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	310177	20.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30576	20.42	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	134010	19.22	ug/l	99
94) Hexachlorobutadiene	15.01	225	93396	18.80	ug/l	98
95) Naphthalene	15.14	128	282075	18.40	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	142163	19.60	ug/l	99

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

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