

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050016.D
 Acq On : 23 Jul 2018 20:02
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072418

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:06 PM

Quant Time: Jul 24 06:29:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1022060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	930807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	485140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455688	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.59	113	405458	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.09	98	1517289	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	512090	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	523202	52.91	ug/l	100
3) Chloromethane	2.06	50	527794	49.10	ug/l	100
4) Vinyl Chloride	2.18	62	545503	48.19	ug/l	99
5) Bromomethane	2.55	94	336644	53.63	ug/l	99
6) Chloroethane	2.69	64	312270	45.93	ug/l	100
7) Trichlorofluoromethane	3.01	101	694567	47.36	ug/l	100
8) Diethyl Ether	3.41	74	246611	50.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	417917	47.39	ug/l	100
10) Methyl Iodide	3.95	142	546041	48.24	ug/l	99
11) Tert butyl alcohol	4.80	59	180807	255.90	ug/l	100
12) 1,1-Dichloroethene	3.73	96	387691	48.87	ug/l	96
13) Acrolein	3.61	56	152745	269.07	ug/l	97
14) Allyl chloride	4.32	41	628590	51.10	ug/l	98
15) Acrylonitrile	5.00	53	772536	250.61	ug/l	100
16) Acetone	3.82	43	573537	253.62	ug/l	99
17) Carbon Disulfide	4.05	76	1195094	49.18	ug/l	100
18) Methyl Acetate	4.33	43	452130	51.44	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1112813	52.64	ug/l	99
20) Methylene Chloride	4.55	84	434266	51.03	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	417952	49.72	ug/l	99
22) Diisopropyl ether	5.96	45	1285955	52.73	ug/l	100
23) Vinyl Acetate	5.90	43	4606888	267.29	ug/l	99
24) 1,1-Dichloroethane	5.85	63	769225	48.23	ug/l	99
25) 2-Butanone	6.84	43	926106	252.84	ug/l	100
26) 2,2-Dichloropropane	6.83	77	548076	45.17	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	457375	50.55	ug/l	100
28) Bromochloromethane	7.20	49	361828	49.74	ug/l	100
29) Tetrahydrofuran	7.22	42	617381	260.85	ug/l	99
30) Chloroform	7.37	83	769994	47.31	ug/l	99
31) Cyclohexane	7.66	56	673037	50.89	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	666795	47.90	ug/l	100
36) 1,1-Dichloropropene	7.80	75	591582	51.38	ug/l	99
37) Ethyl Acetate	6.94	43	406871	50.68	ug/l	100
38) Carbon Tetrachloride	7.78	117	590222	48.31	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	632526	53.40	ug/l	98
40) Benzene	8.04	78	1764948	50.37	ug/l	100
41) Methacrylonitrile	7.18	41	209028	49.99	ug/l	84
42) 1,2-Dichloroethane	8.13	62	567821	48.57	ug/l	100
43) Isopropyl Acetate	8.17	43	751657	49.68	ug/l	99
44) Trichloroethene	8.84	130	463299	49.21	ug/l	99
45) 1,2-Dichloropropane	9.12	63	457907	49.34	ug/l	98
46) Dibromomethane	9.21	93	283718	49.23	ug/l	98
47) Bromodichloromethane	9.41	83	591099	48.60	ug/l	99
48) Methyl methacrylate	9.20	41	363017	52.50	ug/l	99
49) 1,4-Dioxane	9.20	88	99840	1061.06	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2059243	260.92	ug/l	99
52) Toluene	10.16	92	1074692	51.96	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	603935	52.62	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	678627	51.74	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	402809	49.10	ug/l	98
56) Ethyl methacrylate	10.43	69	536818	48.37	ug/l	100
57) 1,3-Dichloropropane	10.71	76	674729	50.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1246497	240.41	ug/l	100
59) 2-Hexanone	10.75	43	1404885	242.41	ug/l	99
60) Dibromochloromethane	10.90	129	454202	50.00	ug/l	99
61) 1,2-Dibromoethane	11.01	107	403713	49.60	ug/l	99
64) Tetrachloroethene	10.63	164	433460	48.44	ug/l	98
65) Chlorobenzene	11.44	112	1158529	49.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	434695	48.12	ug/l	99
67) Ethyl Benzene	11.51	91	2005471	53.10	ug/l	100
68) m/p-Xylenes	11.63	106	1545097	108.16	ug/l	100
69) o-Xylene	11.95	106	739752	54.32	ug/l	99
70) Styrene	11.97	104	1201433	49.61	ug/l	100
71) Bromoform	12.13	173	326063	49.62	ug/l #	100
73) Isopropylbenzene	12.25	105	1954972	51.96	ug/l	100
74) N-amyl acetate	12.07	43	605404	52.65	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	518051	51.61	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	387821m	43.01	ug/l	
77) Bromobenzene	12.53	156	508629	48.78	ug/l	99
78) n-propylbenzene	12.59	91	2260358	53.75	ug/l	100
79) 2-Chlorotoluene	12.68	91	1340302	51.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1609125	54.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145030	51.02	ug/l	98
82) 4-Chlorotoluene	12.78	91	1353002	52.42	ug/l	99
83) tert-Butylbenzene	12.99	119	1383364	53.56	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1644224	55.12	ug/l	100
85) sec-Butylbenzene	13.17	105	1865199	54.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	1612494	55.45	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	883969	50.00	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	871021	50.55	ug/l	100
89) n-Butylbenzene	13.62	91	1331610	55.69	ug/l	99
90) Hexachloroethane	13.88	117	297591	46.09	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	879460	49.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86569	51.67	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	471815	50.32	ug/l	98
94) Hexachlorobutadiene	15.01	225	267766	49.50	ug/l	100
95) Naphthalene	15.14	128	1122327	50.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	475360	51.99	ug/l	100

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

