

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049869.D
 Acq On : 18 Jul 2018 13:23
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:57 PM

Quant Time: Jul 19 01:25:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	670837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	897699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	487758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	436572	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.59	113	389244	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.09	98	1480727	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	526260	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	300384	49.04	ug/l	97
3) Chloromethane	2.06	50	396267	43.28	ug/l	99
4) Vinyl Chloride	2.18	62	434978	44.54	ug/l	100
5) Bromomethane	2.56	94	299946	55.13	ug/l	100
6) Chloroethane	2.70	64	273360	42.86	ug/l	99
7) Trichlorofluoromethane	3.01	101	585371	43.60	ug/l	99
8) Diethyl Ether	3.41	74	219821	46.93	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371178	44.84	ug/l	100
10) Methyl Iodide	3.95	142	482598	43.45	ug/l	99
11) Tert butyl alcohol	4.80	59	153172	233.19	ug/l	100
12) 1,1-Dichloroethene	3.73	96	334707	46.02	ug/l	98
13) Acrolein	3.61	56	96910	228.96	ug/l	99
14) Allyl chloride	4.32	41	553473	48.27	ug/l	99
15) Acrylonitrile	4.99	53	687796	238.09	ug/l	99
16) Acetone	3.82	43	560858	234.94	ug/l	99
17) Carbon Disulfide	4.05	76	975194	44.81	ug/l	100
18) Methyl Acetate	4.33	43	354420	47.20	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	996717	49.81	ug/l	98
20) Methylene Chloride	4.55	84	392103	43.19	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	367212	47.55	ug/l	99
22) Diisopropyl ether	5.95	45	1183991	50.61	ug/l	98
23) Vinyl Acetate	5.90	43	4150879	252.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	682515	45.44	ug/l	100
25) 2-Butanone	6.84	43	834484	244.59	ug/l	100
26) 2,2-Dichloropropane	6.82	77	586945	50.22	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	419244	49.47	ug/l	99
28) Bromochloromethane	7.19	49	325172	47.94	ug/l	98
29) Tetrahydrofuran	7.21	42	524380	243.98	ug/l	100
30) Chloroform	7.37	83	697410	45.23	ug/l	99
31) Cyclohexane	7.65	56	597901	48.91	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	608784	45.68	ug/l	100
36) 1,1-Dichloropropene	7.79	75	529147	49.67	ug/l	99
37) Ethyl Acetate	6.93	43	346782	47.41	ug/l	99
38) Carbon Tetrachloride	7.77	117	537261	47.08	ug/l	99

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

39) Methylcyclohexane	9.08	83	586673	53.31	ug/l	97
40) Benzene	8.04	78	1586415	48.86	ug/l	99
41) Methacrylonitrile	7.17	41	187387	51.10	ug/l	95
42) 1,2-Dichloroethane	8.12	62	510987	47.52	ug/l	99
43) Isopropyl Acetate	8.17	43	627406	49.09	ug/l	96
44) Trichloroethene	8.83	130	416175	48.88	ug/l	99
45) 1,2-Dichloropropane	9.12	63	417204	47.63	ug/l	99
46) Dibromomethane	9.21	93	256114	47.15	ug/l	99
47) Bromodichloromethane	9.40	83	541819	48.23	ug/l	96
48) Methyl methacrylate	9.20	41	314593	49.07	ug/l	100
49) 1,4-Dioxane	9.20	88	94849	1042.96	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1816512	254.27	ug/l	99
52) Toluene	10.16	92	992827	51.26	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	580119	52.23	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	651946	53.10	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	372566	46.56	ug/l	99
56) Ethyl methacrylate	10.43	69	502639	46.92	ug/l	98
57) 1,3-Dichloropropane	10.71	76	623741	49.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1261187	295.90	ug/l	100
59) 2-Hexanone	10.75	43	1295261	269.93	ug/l	99
60) Dibromochloromethane	10.90	129	426644	48.63	ug/l	98
61) 1,2-Dibromoethane	11.01	107	375912	50.28	ug/l	100
64) Tetrachloroethene	10.63	164	384016	47.60	ug/l	100
65) Chlorobenzene	11.43	112	1115397	49.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	414053	47.39	ug/l	99
67) Ethyl Benzene	11.51	91	1927949	52.69	ug/l	100
68) m/p-Xylenes	11.62	106	1490603	107.62	ug/l	99
69) o-Xylene	11.95	106	704688	52.97	ug/l	99
70) Styrene	11.96	104	1194454	55.43	ug/l	99
71) Bromoform	12.13	173	308688	49.39	ug/l #	99
73) Isopropylbenzene	12.25	105	1922244	51.88	ug/l	100
74) N-amyl acetate	12.07	43	576217	51.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	487602	43.92	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	446149m	48.76	ug/l	
77) Bromobenzene	12.53	156	495385	48.42	ug/l	98
78) n-propylbenzene	12.59	91	2265267	53.78	ug/l	100
79) 2-Chlorotoluene	12.68	91	1315551	50.86	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1598451	53.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	147194	50.30	ug/l	99
82) 4-Chlorotoluene	12.77	91	1359939	52.41	ug/l	100
83) tert-Butylbenzene	12.99	119	1388646	53.25	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1639656	54.51	ug/l	100
85) sec-Butylbenzene	13.17	105	1874337	54.39	ug/l	100
86) p-Isopropyltoluene	13.29	119	1636462	55.70	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	885484	49.67	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	874931	48.96	ug/l	99
89) n-Butylbenzene	13.62	91	1387024	57.18	ug/l	99
90) Hexachloroethane	13.88	117	300855	45.63	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	855443	48.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77127	44.97	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	488615	50.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	290345	50.55	ug/l	99
95) Naphthalene	15.14	128	1113961	48.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	482891	57.43	ug/l	99

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

