

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049845.D
 Acq On : 17 Jul 2018 14:27
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071718

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:13 AM

Quant Time: Jul 17 16:43:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	740372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1052716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	975813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	486127	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.59	113	433719	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.09	98	1638507	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.40	95	575687	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	323076	53.30	ug/l	96
3) Chloromethane	2.06	50	418589	51.60	ug/l	99
4) Vinyl Chloride	2.18	62	459317	43.37	ug/l	100
5) Bromomethane	2.55	94	262834	48.06	ug/l	100
6) Chloroethane	2.69	64	285988	50.93	ug/l	100
7) Trichlorofluoromethane	3.01	101	613861	52.23	ug/l	98
8) Diethyl Ether	3.41	74	230475	45.29	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	383757	53.87	ug/l	99
10) Methyl Iodide	3.95	142	489462	45.77	ug/l	99
11) Tert butyl alcohol	4.81	59	193911	246.24	ug/l	99
12) 1,1-Dichloroethene	3.73	96	343596	44.49	ug/l	100
13) Acrolein	3.61	56	121399	190.12	ug/l	99
14) Allyl chloride	4.32	41	572673	46.70	ug/l	99
15) Acrylonitrile	4.99	53	794164	239.72	ug/l	98
16) Acetone	3.82	43	666047	299.36	ug/l	100
17) Carbon Disulfide	4.04	76	1004931	50.61	ug/l	99
18) Methyl Acetate	4.33	43	400508	50.47	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1085624	50.33	ug/l	97
20) Methylene Chloride	4.55	84	399029	50.97	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	377480	46.24	ug/l	100
22) Diisopropyl ether	5.96	45	1217904	49.68	ug/l	98
23) Vinyl Acetate	5.90	43	4558331	252.83	ug/l	99
24) 1,1-Dichloroethane	5.85	63	699389	44.52	ug/l	99
25) 2-Butanone	6.84	43	1018233	249.43	ug/l	100
26) 2,2-Dichloropropane	6.83	77	596684	49.89	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	427985	46.76	ug/l	99
28) Bromochloromethane	7.20	49	352750	48.37	ug/l	97
29) Tetrahydrofuran	7.22	42	644510	248.31	ug/l	99
30) Chloroform	7.37	83	725958	44.76	ug/l	100
31) Cyclohexane	7.65	56	626441	52.51	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	627039	45.52	ug/l	99
36) 1,1-Dichloropropene	7.79	75	549859	49.37	ug/l	100
37) Ethyl Acetate	6.93	43	420314	50.60	ug/l	99
38) Carbon Tetrachloride	7.77	117	554691	47.27	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	623701	54.37	ug/l	99
40) Benzene	8.04	78	1634311	48.40	ug/l	100
41) Methacrylonitrile	7.18	41	216211	50.69	ug/l	97
42) 1,2-Dichloroethane	8.13	62	534521	46.55	ug/l	99
43) Isopropyl Acetate	8.17	43	738086	52.22	ug/l #	87
44) Trichloroethene	8.84	130	426123	47.97	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428355	47.62	ug/l	99
46) Dibromomethane	9.21	93	271310	47.27	ug/l	99
47) Bromodichloromethane	9.40	83	562170	48.20	ug/l	98
48) Methyl methacrylate	9.20	41	368865	52.63	ug/l	99
49) 1,4-Dioxane	9.20	88	111064	1045.41	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2192034	263.67	ug/l	100
52) Toluene	10.16	92	1031090	50.96	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	605702	53.19	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	662955	51.87	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	397960	47.93	ug/l	100
56) Ethyl methacrylate	10.43	69	559480	55.63	ug/l	98
57) 1,3-Dichloropropane	10.71	76	659879	49.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1270280	267.59	ug/l	99
59) 2-Hexanone	10.75	43	1596262	280.05	ug/l	100
60) Dibromochloromethane	10.90	129	448073	48.46	ug/l	99
61) 1,2-Dibromoethane	11.01	107	404697	49.73	ug/l	99
64) Tetrachloroethene	10.63	164	395217	47.62	ug/l	99
65) Chlorobenzene	11.44	112	1125472	48.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	424646	47.81	ug/l	99
67) Ethyl Benzene	11.51	91	1976482	53.15	ug/l	99
68) m/p-Xylenes	11.62	106	1524806	108.07	ug/l	99
69) o-Xylene	11.95	106	728830	54.17	ug/l	97
70) Styrene	11.97	104	1217270	55.81	ug/l	100
71) Bromoform	12.13	173	340276	49.74	ug/l #	99
73) Isopropylbenzene	12.25	105	1973880	50.66	ug/l	100
74) N-amyl acetate	12.07	43	653968	50.80	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	554103	44.34	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	453659m	43.09	ug/l	
77) Bromobenzene	12.53	156	505146	47.30	ug/l	97
78) n-propylbenzene	12.59	91	2308496	52.65	ug/l	100
79) 2-Chlorotoluene	12.68	91	1347878	49.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1637256	53.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	169313	52.63	ug/l	99
82) 4-Chlorotoluene	12.78	91	1370446	51.25	ug/l	100
83) tert-Butylbenzene	12.99	119	1400492	52.33	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1669711	53.63	ug/l	100
85) sec-Butylbenzene	13.17	105	1921866	53.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	1688164	55.46	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	909952	49.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	896153	49.70	ug/l	99
89) n-Butylbenzene	13.62	91	1428039	57.20	ug/l	99
90) Hexachloroethane	13.88	117	309011	52.74	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	893469	47.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92832	52.85	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	499001	60.03	ug/l	99
94) Hexachlorobutadiene	15.01	225	290078	49.75	ug/l	99
95) Naphthalene	15.14	128	1203309	52.20	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	495727	56.40	ug/l	100

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

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