

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051563.D
 Acq On : 27 Sep 2018 4:44
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:44 PM

Quant Time: Sep 27 09:14:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	438971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	589477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316684	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	309052	56.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	7.59	113	274158	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
50) Toluene-d8	10.09	98	953162	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	332099	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	160145	39.104	ug/l	100
3) Chloromethane	2.06	50	255459	39.185	ug/l	100
4) Vinyl Chloride	2.19	62	287681	39.981	ug/l	99
5) Bromomethane	2.56	94	139871	32.458	ug/l	95
6) Chloroethane	2.70	64	156560	34.918	ug/l	99
7) Trichlorofluoromethane	3.01	101	379036	40.216	ug/l	98
8) Diethyl Ether	3.41	74	148591	50.340	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	225947	42.478	ug/l	97
10) Methyl Iodide	3.95	142	275167	39.003	ug/l	98
11) Tert butyl alcohol	4.79	59	86106	277.453	ug/l #	78
12) 1,1-Dichloroethene	3.73	96	197065	40.349	ug/l	97
13) Acrolein	3.61	56	79975	259.513	ug/l	97
14) Allyl chloride	4.32	41	381238	46.524	ug/l	96
15) Acrylonitrile	4.99	53	475562	281.694	ug/l	99
16) Acetone	3.82	43	321290	264.296	ug/l	96
17) Carbon Disulfide	4.05	76	521413	36.338	ug/l	99
18) Methyl Acetate	4.33	43	255751	61.068	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	695188	55.198	ug/l	98
20) Methylene Chloride	4.55	84	279544	51.373	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	230615	46.157	ug/l	98
22) Diisopropyl ether	5.95	45	929007	58.651	ug/l	98
23) Vinyl Acetate	5.90	43	2940520	282.769	ug/l	99
24) 1,1-Dichloroethane	5.85	63	500128	52.919	ug/l	99
25) 2-Butanone	6.84	43	514506	273.363	ug/l	99
26) 2,2-Dichloropropane	6.82	77	256098	34.714	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	278092	50.726	ug/l	100
28) Bromochloromethane	7.19	49	267596	61.314	ug/l	99
29) Tetrahydrofuran	7.21	42	359688	301.566	ug/l	96
30) Chloroform	7.37	83	512303	54.707	ug/l	99
31) Cyclohexane	7.65	56	367158	42.403	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	399357	49.884	ug/l	99
36) 1,1-Dichloropropene	7.79	75	335426	45.106	ug/l	98
37) Ethyl Acetate	6.93	43	235981	55.192	ug/l	100
38) Carbon Tetrachloride	7.77	117	349268	44.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	351284	40.409	ug/l	97
40) Benzene	8.04	78	1079210	49.426	ug/l	100
41) Methacrylonitrile	7.18	41	134574	56.891	ug/l	96
42) 1,2-Dichloroethane	8.12	62	375282	53.676	ug/l	99
43) Isopropyl Acetate	8.16	43	460896	59.613	ug/l	95
44) Trichloroethene	8.83	130	270038	46.562	ug/l	100
45) 1,2-Dichloropropane	9.12	63	319309	53.797	ug/l	99
46) Dibromomethane	9.21	93	180615	53.857	ug/l	98
47) Bromodichloromethane	9.40	83	405698	54.665	ug/l	98
48) Methyl methacrylate	9.20	41	214218	55.574	ug/l	99
49) 1,4-Dioxane	9.20	88	52376	1108.695	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1226023	288.337	ug/l	99
52) Toluene	10.16	92	654013	48.197	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	374493	49.982	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431251	49.632	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	263784	55.005	ug/l	98
56) Ethyl methacrylate	10.43	69	326485	55.682	ug/l	100
57) 1,3-Dichloropropane	10.71	76	448042	54.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	831305	261.008	ug/l	98
59) 2-Hexanone	10.75	43	778752	282.520	ug/l	98
60) Dibromochloromethane	10.90	129	301254	53.241	ug/l	99
61) 1,2-Dibromoethane	11.00	107	247020	53.060	ug/l	100
64) Tetrachloroethene	10.63	164	265321	49.595	ug/l	97
65) Chlorobenzene	11.43	112	733097	48.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	290508	50.417	ug/l	99
67) Ethyl Benzene	11.51	91	1221767	47.935	ug/l	99
68) m/p-Xylenes	11.62	106	957935	97.164	ug/l	100
69) o-Xylene	11.95	106	460587	48.596	ug/l	96
70) Styrene	11.96	104	766977	51.069	ug/l	99
71) Bromoform	12.13	173	201277	51.479	ug/l	99
73) Isopropylbenzene	12.25	105	1217726	45.574	ug/l	100
74) N-amyl acetate	12.07	43	360854	53.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	321459	51.592	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	276372m	52.570	ug/l	
77) Bromobenzene	12.53	156	315709	46.674	ug/l	95
78) n-propylbenzene	12.59	91	1409434	46.803	ug/l	98
79) 2-Chlorotoluene	12.67	91	855678	47.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1044927	47.960	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78132	45.700	ug/l	98
82) 4-Chlorotoluene	12.77	91	872609	48.502	ug/l	99
83) tert-Butylbenzene	12.99	119	889334	45.859	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1064727	48.496	ug/l	100
85) sec-Butylbenzene	13.17	105	1221453	46.558	ug/l	99
86) p-Isopropyltoluene	13.29	119	1068908	47.086	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	563618	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	539551	47.906	ug/l	99
89) n-Butylbenzene	13.62	91	867798	46.487	ug/l	99
90) Hexachloroethane	13.87	117	205079	45.340	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	560652	49.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46371	52.149	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	267083	44.383	ug/l	99
94) Hexachlorobutadiene	15.01	225	192482	44.793	ug/l	99
95) Naphthalene	15.13	128	491865	43.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	267069	49.000	ug/l	98

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

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