

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051539.D
 Acq On : 26 Sep 2018 16:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:42 PM

Quant Time: Sep 27 08:06:19 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	562120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	818133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	736709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	374294	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.59	113	334390	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.09	98	1244333	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	428057	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	219182	41.794	ug/l	100
3) Chloromethane	2.06	50	356615	42.717	ug/l	99
4) Vinyl Chloride	2.18	62	383185	41.587	ug/l	99
5) Bromomethane	2.56	94	202551	36.698	ug/l	98
6) Chloroethane	2.70	64	248852	43.343	ug/l	100
7) Trichlorofluoromethane	3.01	101	517108	42.846	ug/l	99
8) Diethyl Ether	3.41	74	188480	49.837	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	314834	46.222	ug/l	99
10) Methyl Iodide	3.95	142	323451	35.826	ug/l	100
11) Tert butyl alcohol	4.79	59	123776	311.458	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	268384	42.913	ug/l	98
13) Acrolein	3.61	56	95149	241.111	ug/l	99
14) Allyl chloride	4.32	41	519035	49.464	ug/l	96
15) Acrylonitrile	4.99	53	637549	294.911	ug/l	100
16) Acetone	3.82	43	491411	320.854	ug/l	98
17) Carbon Disulfide	4.05	76	703110	38.266	ug/l	99
18) Methyl Acetate	4.33	43	337330	62.901	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	891985	55.307	ug/l	100
20) Methylene Chloride	4.55	84	339042	48.657	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	296116	46.283	ug/l	98
22) Diisopropyl ether	5.95	45	1122153	55.324	ug/l	99
23) Vinyl Acetate	5.90	43	3812656	286.314	ug/l	99
24) 1,1-Dichloroethane	5.85	63	624820	51.629	ug/l	98
25) 2-Butanone	6.84	43	775887	321.925	ug/l	98
26) 2,2-Dichloropropane	6.83	77	509487	53.932	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	352878	50.266	ug/l	97
28) Bromochloromethane	7.20	49	318976	57.075	ug/l	97
29) Tetrahydrofuran	7.22	42	498206	326.192	ug/l	97
30) Chloroform	7.37	83	614263	51.224	ug/l	99
31) Cyclohexane	7.66	56	519594	46.861	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	517796	50.509	ug/l	100
36) 1,1-Dichloropropene	7.79	75	445569	47.030	ug/l	98
37) Ethyl Acetate	6.93	43	323392	59.367	ug/l	100
38) Carbon Tetrachloride	7.77	117	452278	45.641	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	513394	46.355	ug/l	96
40) Benzene	8.04	78	1358839	48.847	ug/l	98
41) Methacrylonitrile	7.17	41	156027	51.773	ug/l	93
42) 1,2-Dichloroethane	8.13	62	447415	50.229	ug/l	100
43) Isopropyl Acetate	8.17	43	591393	60.039	ug/l #	90
44) Trichloroethene	8.84	130	351684	47.597	ug/l	99
45) 1,2-Dichloropropane	9.12	63	386456	51.106	ug/l	99
46) Dibromomethane	9.21	93	221242	51.782	ug/l	97
47) Bromodichloromethane	9.40	83	480911	50.862	ug/l	98
48) Methyl methacrylate	9.20	41	288620	58.771	ug/l	97
49) 1,4-Dioxane	9.20	88	60677	1008.151	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1669010	308.094	ug/l	99
52) Toluene	10.16	92	843543	48.794	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	497074	52.073	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	563896	50.939	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	324670	53.139	ug/l	99
56) Ethyl methacrylate	10.43	69	435041	58.238	ug/l	100
57) 1,3-Dichloropropane	10.71	76	551149	52.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1079572	265.659	ug/l	98
59) 2-Hexanone	10.75	43	1149817	327.417	ug/l	99
60) Dibromochloromethane	10.90	129	365798	50.743	ug/l	100
61) 1,2-Dibromoethane	11.01	107	309923	52.253	ug/l	99
64) Tetrachloroethene	10.63	164	308679	46.168	ug/l	98
65) Chlorobenzene	11.43	112	933514	49.388	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	358755	49.818	ug/l	99
67) Ethyl Benzene	11.51	91	1596417	50.116	ug/l	100
68) m/p-Xylenes	11.62	106	1228835	99.731	ug/l	98
69) o-Xylene	11.95	106	593936	50.142	ug/l	96
70) Styrene	11.96	104	977945	52.102	ug/l	100
71) Bromoform	12.13	173	258603	52.923	ug/l #	98
73) Isopropylbenzene	12.25	105	1619389	49.307	ug/l	100
74) N-amyl acetate	12.07	43	495538	60.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	432921	56.527	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	381008m	58.962	ug/l	
77) Bromobenzene	12.53	156	402067	48.359	ug/l	94
78) n-propylbenzene	12.59	91	1887529	50.994	ug/l	98
79) 2-Chlorotoluene	12.67	91	1109140	50.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1356698	50.660	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121294	57.719	ug/l	99
82) 4-Chlorotoluene	12.77	91	1113873	50.369	ug/l	99
83) tert-Butylbenzene	12.99	119	1210823	50.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1372968	50.877	ug/l	100
85) sec-Butylbenzene	13.17	105	1640368	50.869	ug/l	99
86) p-Isopropyltoluene	13.29	119	1437884	51.531	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	720224	50.058	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	692355	50.012	ug/l	99
89) n-Butylbenzene	13.62	91	1216113	53.001	ug/l	99
90) Hexachloroethane	13.88	117	266510	47.937	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	713501	51.110	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67637	61.884	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	369540	49.208	ug/l	99
94) Hexachlorobutadiene	15.01	225	265732	50.310	ug/l	98
95) Naphthalene	15.14	128	745415	51.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	375027	55.980	ug/l	99

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

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