

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050400.D
 Acq On : 6 Aug 2018 22:29
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:59:07 AM

Quant Time: Aug 07 07:27:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	667124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	962930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	483079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442037	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	7.59	113	393650	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.09	98	1481419	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	494540	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	356505	48.14	ug/l	98
3) Chloromethane	2.06	50	432906	49.46	ug/l	100
4) Vinyl Chloride	2.18	62	465732	48.59	ug/l	99
5) Bromomethane	2.56	94	240743	51.79	ug/l	99
6) Chloroethane	2.70	64	284052	48.09	ug/l	99
7) Trichlorofluoromethane	3.01	101	605594	48.92	ug/l	99
8) Diethyl Ether	3.41	74	220560	48.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	370785	48.47	ug/l	99
10) Methyl Iodide	3.95	142	212106	62.93	ug/l	99
11) Tert butyl alcohol	4.80	59	172696	241.18	ug/l	100
12) 1,1-Dichloroethene	3.73	96	345485	47.90	ug/l	98
13) Acrolein	3.61	56	222750	239.75	ug/l	96
14) Allyl chloride	4.32	41	538917	46.53	ug/l	98
15) Acrylonitrile	4.99	53	766438	255.54	ug/l	100
16) Acetone	3.82	43	702916	264.46	ug/l	98
17) Carbon Disulfide	4.05	76	1037989	44.26	ug/l	100
18) Methyl Acetate	4.33	43	353114	51.13	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1031827	50.40	ug/l	100
20) Methylene Chloride	4.55	84	403699	49.65	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	375043	48.05	ug/l	99
22) Diisopropyl ether	5.96	45	1216148	51.40	ug/l	99
23) Vinyl Acetate	5.90	43	4406086	261.00	ug/l	100
24) 1,1-Dichloroethane	5.85	63	702482	48.39	ug/l	99
25) 2-Butanone	6.84	43	1145322	259.31	ug/l	99
26) 2,2-Dichloropropane	6.83	77	476578	39.82	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	424304	49.05	ug/l	98
28) Bromochloromethane	7.20	49	337283	50.47	ug/l	99
29) Tetrahydrofuran	7.22	42	609607	257.86	ug/l	100
30) Chloroform	7.37	83	712284	49.08	ug/l	99
31) Cyclohexane	7.66	56	617397	48.30	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	617947	49.58	ug/l	100
36) 1,1-Dichloropropene	7.80	75	536887	50.74	ug/l	100
37) Ethyl Acetate	6.94	43	402332	52.81	ug/l	99
38) Carbon Tetrachloride	7.78	117	541754	49.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	578889	50.13	ug/l	100
40) Benzene	8.04	78	1644333	50.55	ug/l	99
41) Methacrylonitrile	7.18	41	166859	41.18	ug/l	96
42) 1,2-Dichloroethane	8.13	62	528156	51.15	ug/l	99
43) Isopropyl Acetate	8.17	43	708897	53.90	ug/l #	89
44) Trichloroethene	8.84	130	421905	48.27	ug/l	99
45) 1,2-Dichloropropane	9.12	63	437274	51.13	ug/l	97
46) Dibromomethane	9.21	93	271854	51.48	ug/l	99
47) Bromodichloromethane	9.41	83	557098	50.93	ug/l	99
48) Methyl methacrylate	9.20	41	353206	53.58	ug/l	99
49) 1,4-Dioxane	9.20	88	104061	1024.07	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2580411	272.41	ug/l	100
52) Toluene	10.16	92	1017621	52.08	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	557759	50.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	627147	51.17	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	391638	51.34	ug/l	99
56) Ethyl methacrylate	10.43	69	529018	49.04	ug/l	98
57) 1,3-Dichloropropane	10.71	76	643715	51.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1257169	249.86	ug/l	100
59) 2-Hexanone	10.75	43	1792450	271.14	ug/l	99
60) Dibromochloromethane	10.90	129	436454	51.94	ug/l	99
61) 1,2-Dibromoethane	11.01	107	387594	51.55	ug/l	99
64) Tetrachloroethene	10.63	164	414723	49.75	ug/l	99
65) Chlorobenzene	11.44	112	1101081	49.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	415928	51.10	ug/l	100
67) Ethyl Benzene	11.51	91	1897138	52.48	ug/l	100
68) m/p-Xylenes	11.62	106	1485207	107.91	ug/l	99
69) o-Xylene	11.95	106	699634	52.77	ug/l	100
70) Styrene	11.97	104	1180113	54.74	ug/l	100
71) Bromoform	12.13	173	315450	53.03	ug/l #	99
73) Isopropylbenzene	12.25	105	1855167	51.16	ug/l	100
74) N-amyl acetate	12.07	43	615722	52.38	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	521485	49.84	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	411933m	47.11	ug/l	
77) Bromobenzene	12.53	156	486581	50.09	ug/l	99
78) n-propylbenzene	12.59	91	2165677	52.76	ug/l	100
79) 2-Chlorotoluene	12.68	91	1280388	50.51	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1557587	52.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137938	55.43	ug/l	100
82) 4-Chlorotoluene	12.77	91	1300649	51.45	ug/l	100
83) tert-Butylbenzene	12.99	119	1313793	51.16	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1601197	53.70	ug/l	99
85) sec-Butylbenzene	13.17	105	1760434	51.43	ug/l	100
86) p-Isopropyltoluene	13.29	119	1544737	52.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	857845	49.58	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	841563	48.70	ug/l	100
89) n-Butylbenzene	13.62	91	1257811	50.37	ug/l	99
90) Hexachloroethane	13.88	117	266057	51.01	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	838291	48.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83715	47.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	437048	49.47	ug/l	97
94) Hexachlorobutadiene	15.01	225	242211	50.20	ug/l	98
95) Naphthalene	15.14	128	1070139	46.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	439092	49.16	ug/l	99

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

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