

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050674.D
 Acq On : 15 Aug 2018 23:53
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:19:08 PM

Quant Time: Aug 16 05:02:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	646209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	862032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	443814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404138	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	369597	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.09	98	1391967	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	461464	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	340395	46.72	ug/l	99
3) Chloromethane	2.06	50	433359	48.80	ug/l	98
4) Vinyl Chloride	2.18	62	456907	47.21	ug/l	100
5) Bromomethane	2.56	94	257326	49.45	ug/l	98
6) Chloroethane	2.70	64	276137	51.39	ug/l	99
7) Trichlorofluoromethane	3.01	101	592931	46.69	ug/l	99
8) Diethyl Ether	3.41	74	214155	50.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	365346	47.58	ug/l	99
10) Methyl Iodide	3.95	142	250717	46.50	ug/l	99
11) Tert butyl alcohol	4.80	59	134826	303.14	ug/l	99
12) 1,1-Dichloroethene	3.73	96	336053	47.93	ug/l	98
13) Acrolein	3.61	56	36249	212.41	ug/l	96
14) Allyl chloride	4.32	41	524896	48.13	ug/l	99
15) Acrylonitrile	5.00	53	677919	277.52	ug/l	100
16) Acetone	3.82	43	584345	287.53	ug/l	98
17) Carbon Disulfide	4.05	76	1024436	46.43	ug/l	100
18) Methyl Acetate	4.33	43	330051	57.85	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	972633	54.50	ug/l	100
20) Methylene Chloride	4.55	84	399034	51.58	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	373927	49.19	ug/l	96
22) Diisopropyl ether	5.96	45	1190264	53.23	ug/l	98
23) Vinyl Acetate	5.90	43	4048003	276.73	ug/l	99
24) 1,1-Dichloroethane	5.85	63	697264	48.19	ug/l	100
25) 2-Butanone	6.84	43	965676	289.15	ug/l	99
26) 2,2-Dichloropropane	6.83	77	401255	41.43	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	417942	49.37	ug/l	98
28) Bromochloromethane	7.20	49	335678	50.98	ug/l	100
29) Tetrahydrofuran	7.22	42	520422	298.44	ug/l	100
30) Chloroform	7.37	83	705744	48.13	ug/l	98
31) Cyclohexane	7.65	56	612482	49.60	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	599022	48.53	ug/l	100
36) 1,1-Dichloropropene	7.79	75	533761	51.51	ug/l	100
37) Ethyl Acetate	6.93	43	356234	60.81	ug/l	99
38) Carbon Tetrachloride	7.78	117	532360	49.52	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	568041	52.94	ug/l	99
40) Benzene	8.04	78	1622637	51.47	ug/l	99
41) Methacrylonitrile	7.18	41	200659	63.36	ug/l	94
42) 1,2-Dichloroethane	8.13	62	497578	51.50	ug/l	100
43) Isopropyl Acetate	8.17	43	598454	56.06	ug/l	97
44) Trichloroethene	8.84	130	418178	49.52	ug/l	99
45) 1,2-Dichloropropane	9.12	63	427722	50.96	ug/l	99
46) Dibromomethane	9.21	93	258560	52.17	ug/l	97
47) Bromodichloromethane	9.40	83	538475	50.83	ug/l	99
48) Methyl methacrylate	9.20	41	308650	57.46	ug/l	98
49) 1,4-Dioxane	9.20	88	84991	1201.04	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2194278	303.93	ug/l	100
52) Toluene	10.16	92	998610	53.05	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	514534	52.15	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	594869	52.56	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	371190	52.78	ug/l	99
56) Ethyl methacrylate	10.43	69	476591	53.01	ug/l	99
57) 1,3-Dichloropropane	10.71	76	614652	53.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1126548	261.67	ug/l	100
59) 2-Hexanone	10.75	43	1469750	315.41	ug/l	100
60) Dibromochloromethane	10.90	129	415299	53.51	ug/l	99
61) 1,2-Dibromoethane	11.01	107	365331	54.55	ug/l	99
64) Tetrachloroethene	10.63	164	395849	49.45	ug/l	99
65) Chlorobenzene	11.43	112	1072184	49.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	404566	50.31	ug/l	100
67) Ethyl Benzene	11.51	91	1848158	53.35	ug/l	100
68) m/p-Xylenes	11.62	106	1430174	107.95	ug/l	99
69) o-Xylene	11.95	106	684142	54.15	ug/l	99
70) Styrene	11.97	104	1139168	50.69	ug/l	99
71) Bromoform	12.13	173	291375	54.64	ug/l #	99
73) Isopropylbenzene	12.25	105	1800165	51.91	ug/l	100
74) N-amyl acetate	12.07	43	522553	57.92	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	473772	59.28	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	378489m	52.84	ug/l	
77) Bromobenzene	12.53	156	466208	49.52	ug/l	99
78) n-propylbenzene	12.59	91	2062887	53.35	ug/l	99
79) 2-Chlorotoluene	12.68	91	1229936	51.02	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1500718	54.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	103841	52.02	ug/l	99
82) 4-Chlorotoluene	12.77	91	1240391	52.07	ug/l	100
83) tert-Butylbenzene	12.99	119	1273022	52.82	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1535850	55.12	ug/l	99
85) sec-Butylbenzene	13.17	105	1678157	53.29	ug/l	100
86) p-Isopropyltoluene	13.29	119	1463415	54.84	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	806181	50.30	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	793378	49.88	ug/l	99
89) n-Butylbenzene	13.62	91	1154463	53.57	ug/l	99
90) Hexachloroethane	13.88	117	257938	48.07	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	791599	50.63	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68667	55.50	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	387670	48.40	ug/l	99
94) Hexachlorobutadiene	15.01	225	234175	48.85	ug/l	99
95) Naphthalene	15.13	128	821261	48.25	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	377676	50.37	ug/l	99

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

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