

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049956.D
 Acq On : 20 Jul 2018 12:15
 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
 7/23/2018 2:03:54 PM

Quant Time: Jul 20 23:56:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	606947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	441263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396421	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.59	113	353912	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1320645	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	460489	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	251114	45.20	ug/l	98
3) Chloromethane	2.06	50	326903	39.46	ug/l	100
4) Vinyl Chloride	2.18	62	357788	40.49	ug/l	99
5) Bromomethane	2.56	94	265131	53.81	ug/l	99
6) Chloroethane	2.70	64	232931	40.36	ug/l	99
7) Trichlorofluoromethane	3.01	101	509556	41.95	ug/l	97
8) Diethyl Ether	3.41	74	184154	43.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	324046	43.26	ug/l	99
10) Methyl Iodide	3.95	142	396970	39.51	ug/l	99
11) Tert butyl alcohol	4.80	59	119611	201.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	277328	42.15	ug/l	99
13) Acrolein	3.61	56	57368	149.80	ug/l	99
14) Allyl chloride	4.32	41	459912	44.34	ug/l	99
15) Acrylonitrile	4.99	53	573823	219.54	ug/l	98
16) Acetone	3.82	43	475264	220.05	ug/l	99
17) Carbon Disulfide	4.04	76	730851	37.12	ug/l	100
18) Methyl Acetate	4.33	43	315048	46.36	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	845418	46.69	ug/l	99
20) Methylene Chloride	4.55	84	339884	41.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	308292	44.12	ug/l	99
22) Diisopropyl ether	5.96	45	1030781	48.70	ug/l	97
23) Vinyl Acetate	5.90	43	3496474	235.42	ug/l	100
24) 1,1-Dichloroethane	5.85	63	600973	44.23	ug/l	100
25) 2-Butanone	6.84	43	697556	225.98	ug/l	98
26) 2,2-Dichloropropane	6.82	77	512383	48.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	353247	46.07	ug/l	99
28) Bromochloromethane	7.19	49	304426	49.60	ug/l	99
29) Tetrahydrofuran	7.21	42	438038	225.26	ug/l	99
30) Chloroform	7.37	83	628005	45.02	ug/l	99
31) Cyclohexane	7.65	56	485180	43.87	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	532944	44.20	ug/l	99
36) 1,1-Dichloropropene	7.79	75	454531	47.23	ug/l	99
37) Ethyl Acetate	6.93	43	298269	45.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	472528	45.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	473684	47.65	ug/l	97
40) Benzene	8.04	78	1360623	46.39	ug/l	99
41) Methacrylonitrile	7.18	41	168936	50.99	ug/l	96
42) 1,2-Dichloroethane	8.13	62	448194	46.13	ug/l	100
43) Isopropyl Acetate	8.17	43	547556	47.43	ug/l	98
44) Trichloroethene	8.83	130	356488	46.35	ug/l	97
45) 1,2-Dichloropropane	9.12	63	370730	46.85	ug/l	99
46) Dibromomethane	9.21	93	219813	44.79	ug/l	100
47) Bromodichloromethane	9.40	83	485630	47.85	ug/l	99
48) Methyl methacrylate	9.20	41	271723	46.92	ug/l	99
49) 1,4-Dioxane	9.20	88	73268	891.80	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1542611	239.02	ug/l	100
52) Toluene	10.16	92	854564	48.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	490410	48.87	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	557071	50.23	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	325112	44.98	ug/l	99
56) Ethyl methacrylate	10.43	69	417763	43.34	ug/l	99
57) 1,3-Dichloropropane	10.71	76	543043	47.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	861301	191.13	ug/l	99
59) 2-Hexanone	10.75	43	1088855	251.18	ug/l	99
60) Dibromochloromethane	10.90	129	371938	46.92	ug/l	100
61) 1,2-Dibromoethane	11.01	107	316497	46.86	ug/l	99
64) Tetrachloroethene	10.63	164	339451	47.39	ug/l	99
65) Chlorobenzene	11.44	112	956486	47.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	367404	47.36	ug/l	99
67) Ethyl Benzene	11.51	91	1645362	50.65	ug/l	100
68) m/p-Xylenes	11.62	106	1269872	103.26	ug/l	100
69) o-Xylene	11.95	106	604325	51.16	ug/l	98
70) Styrene	11.97	104	1032076	53.94	ug/l	99
71) Bromoform	12.13	173	266621	48.05	ug/l #	98
73) Isopropylbenzene	12.25	105	1650854	49.25	ug/l	100
74) N-amyl acetate	12.07	43	474073	46.47	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	427912	42.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	361264m	43.64	ug/l	
77) Bromobenzene	12.53	156	425879	46.01	ug/l	98
78) n-propylbenzene	12.59	91	1930271	50.65	ug/l	99
79) 2-Chlorotoluene	12.68	91	1136719	48.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1379723	51.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	123292	46.57	ug/l	99
82) 4-Chlorotoluene	12.77	91	1173395	49.99	ug/l	100
83) tert-Butylbenzene	12.99	119	1178989	49.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1421967	52.25	ug/l	99
85) sec-Butylbenzene	13.17	105	1609659	51.63	ug/l	100
86) p-Isopropyltoluene	13.29	119	1408742	53.00	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	772874	47.92	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	759847	47.00	ug/l	99
89) n-Butylbenzene	13.62	91	1184551	53.98	ug/l	100
90) Hexachloroethane	13.88	117	264415	44.32	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	752566	47.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65239	42.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399789	46.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	245173	47.18	ug/l	99
95) Naphthalene	15.14	128	858503	41.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	398710	52.41	ug/l	100

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

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