

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049982.D
 Acq On : 21 Jul 2018 1:21
 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
 7/23/2018 2:04:16 PM

Quant Time: Jul 21 05:26:03 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	549104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	815100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	403222	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	7.59	113	351806	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.09	98	1273491	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	443800	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	220697	43.87	ug/l	98
3) Chloromethane	2.06	50	302840	40.41	ug/l	98
4) Vinyl Chloride	2.18	62	323893	40.52	ug/l	100
5) Bromomethane	2.56	94	285258	64.37	ug/l	99
6) Chloroethane	2.70	64	221047	42.34	ug/l	99
7) Trichlorofluoromethane	3.01	101	467093	42.50	ug/l	99
8) Diethyl Ether	3.41	74	186634	48.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	299471	44.20	ug/l	99
10) Methyl Iodide	3.95	142	392620	43.19	ug/l	98
11) Tert butyl alcohol	4.81	59	119076	221.47	ug/l	100
12) 1,1-Dichloroethene	3.73	96	255722	42.96	ug/l	98
13) Acrolein	3.61	56	56300	162.50	ug/l	99
14) Allyl chloride	4.32	41	429317	45.75	ug/l	99
15) Acrylonitrile	4.99	53	594211	251.29	ug/l	97
16) Acetone	3.82	43	429127	219.61	ug/l	97
17) Carbon Disulfide	4.05	76	659562	37.03	ug/l	100
18) Methyl Acetate	4.33	43	341610	55.73	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	878961	53.66	ug/l	99
20) Methylene Chloride	4.55	84	339415	45.68	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	289759	45.84	ug/l	96
22) Diisopropyl ether	5.96	45	1056376	55.17	ug/l	98
23) Vinyl Acetate	5.90	43	3576226	266.16	ug/l	100
24) 1,1-Dichloroethane	5.85	63	593924	48.31	ug/l	99
25) 2-Butanone	6.84	43	681373	243.99	ug/l	98
26) 2,2-Dichloropropane	6.83	77	354165	37.02	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	351163	50.63	ug/l	97
28) Bromochloromethane	7.19	49	310355	55.90	ug/l	99
29) Tetrahydrofuran	7.22	42	453168	257.59	ug/l	100
30) Chloroform	7.37	83	631696	50.05	ug/l	100
31) Cyclohexane	7.65	56	437964	43.77	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	502640	46.08	ug/l	99
36) 1,1-Dichloropropene	7.79	75	422290	46.59	ug/l	99
37) Ethyl Acetate	6.93	43	306562	49.26	ug/l	99
38) Carbon Tetrachloride	7.77	117	446548	46.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	422206	45.10	ug/l	98
40) Benzene	8.04	78	1331988	48.22	ug/l	100
41) Methacrylonitrile	7.18	41	155084	49.71	ug/l	89
42) 1,2-Dichloroethane	8.13	62	464301	50.75	ug/l	99
43) Isopropyl Acetate	8.17	43	584521	53.76	ug/l	99
44) Trichloroethene	8.84	130	343709	47.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	378372	50.78	ug/l	99
46) Dibromomethane	9.21	93	230666	49.91	ug/l	99
47) Bromodichloromethane	9.40	83	491311	51.41	ug/l	98
48) Methyl methacrylate	9.20	41	279367	51.22	ug/l	99
49) 1,4-Dioxane	9.20	88	75358	973.99	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1611164	265.08	ug/l	100
52) Toluene	10.16	92	836011	50.74	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	475459	50.31	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	532333	50.97	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	339107	49.82	ug/l	99
56) Ethyl methacrylate	10.43	69	431208	47.30	ug/l	99
57) 1,3-Dichloropropane	10.71	76	556135	51.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1053649	245.35	ug/l	99
59) 2-Hexanone	10.75	43	1070835	262.30	ug/l	99
60) Dibromochloromethane	10.90	129	384727	51.54	ug/l	99
61) 1,2-Dibromoethane	11.01	107	328059	51.58	ug/l	99
64) Tetrachloroethene	10.63	164	336197	49.36	ug/l	100
65) Chlorobenzene	11.44	112	932011	48.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	365816	49.60	ug/l	99
67) Ethyl Benzene	11.51	91	1561079	50.53	ug/l	99
68) m/p-Xylenes	11.62	106	1211818	103.63	ug/l	99
69) o-Xylene	11.95	106	585046	52.09	ug/l	97
70) Styrene	11.97	104	1000246	54.98	ug/l	100
71) Bromoform	12.13	173	272141	51.58	ug/l	98
73) Isopropylbenzene	12.25	105	1554514	49.79	ug/l	100
74) N-amyl acetate	12.07	43	488499	51.40	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432955	46.28	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	343385m	44.54	ug/l	
77) Bromobenzene	12.53	156	420010	48.72	ug/l	98
78) n-propylbenzene	12.59	91	1808779	50.96	ug/l	100
79) 2-Chlorotoluene	12.68	91	1096325	50.30	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1297111	51.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113983	46.23	ug/l	100
82) 4-Chlorotoluene	12.78	91	1110142	50.77	ug/l	99
83) tert-Butylbenzene	12.99	119	1098122	49.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1349964	53.25	ug/l	99
85) sec-Butylbenzene	13.17	105	1500120	51.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1304070	52.67	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	732519	48.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	726106	48.21	ug/l	99
89) n-Butylbenzene	13.62	91	1063680	52.03	ug/l	100
90) Hexachloroethane	13.88	117	249211	44.85	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	730667	49.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67792	46.90	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	373586	46.16	ug/l	100
94) Hexachlorobutadiene	15.01	225	221005	45.66	ug/l	100
95) Naphthalene	15.14	128	820204	42.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	373174	52.67	ug/l	99

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

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