

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049905.D
 Acq On : 19 Jul 2018 9:42
 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
 7/20/2018 11:08:01 AM

Quant Time: Jul 20 01:35:01 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	7.66	168	642850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	907229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	468187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	420371	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	7.59	113	377837	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.09	98	1409133	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	497053	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	294224	50.16	ug/l	99
3) Chloromethane	2.06	50	364461	41.54	ug/l	100
4) Vinyl Chloride	2.18	62	409838	43.79	ug/l	99
5) Bromomethane	2.56	94	261633	50.00	ug/l	99
6) Chloroethane	2.70	64	265689	43.47	ug/l	99
7) Trichlorofluoromethane	3.01	101	572393	44.49	ug/l	97
8) Diethyl Ether	3.41	74	199581	44.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	363375	45.81	ug/l	99
10) Methyl Iodide	3.95	142	504746	47.43	ug/l	98
11) Tert butyl alcohol	4.80	59	123920	196.87	ug/l	99
12) 1,1-Dichloroethene	3.73	96	315400	45.26	ug/l	98
13) Acrolein	3.61	56	79167	195.18	ug/l	95
14) Allyl chloride	4.32	41	516901	47.05	ug/l	99
15) Acrylonitrile	4.99	53	602895	217.78	ug/l	98
16) Acetone	3.82	43	619707	270.90	ug/l	99
17) Carbon Disulfide	4.05	76	900255	43.17	ug/l	100
18) Methyl Acetate	4.33	43	327894	45.54	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	922472	48.10	ug/l	99
20) Methylene Chloride	4.55	84	372914	42.87	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	347720	46.99	ug/l	98
22) Diisopropyl ether	5.95	45	1107122	49.38	ug/l	97
23) Vinyl Acetate	5.90	43	3805608	241.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	650780	45.22	ug/l	100
25) 2-Butanone	6.84	43	828778	253.49	ug/l	98
26) 2,2-Dichloropropane	6.82	77	570258	50.92	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	397291	48.92	ug/l	100
28) Bromochloromethane	7.19	49	310147	47.71	ug/l	99
29) Tetrahydrofuran	7.21	42	461458	224.05	ug/l	99
30) Chloroform	7.37	83	685754	46.41	ug/l	98
31) Cyclohexane	7.65	56	563221	48.08	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	581677	45.55	ug/l	99
36) 1,1-Dichloropropene	7.79	75	509970	50.56	ug/l	100
37) Ethyl Acetate	6.93	43	313860	45.31	ug/l	99
38) Carbon Tetrachloride	7.77	117	521439	48.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	557562	53.50	ug/l	99
40) Benzene	8.04	78	1524293	49.58	ug/l	100
41) Methacrylonitrile	7.17	41	171685	49.44	ug/l	99
42) 1,2-Dichloroethane	8.12	62	494904	48.60	ug/l	99
43) Isopropyl Acetate	8.16	43	578913	47.84	ug/l	98
44) Trichloroethene	8.83	130	401216	49.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	401969	48.47	ug/l	100
46) Dibromomethane	9.21	93	245868	47.80	ug/l	98
47) Bromodichloromethane	9.40	83	525109	49.36	ug/l	99
48) Methyl methacrylate	9.20	41	289449	47.68	ug/l	99
49) 1,4-Dioxane	9.20	88	78184	907.90	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1629751	240.91	ug/l	99
52) Toluene	10.16	92	959748	52.33	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	543201	51.64	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	612717	52.71	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	355126	46.87	ug/l	99
56) Ethyl methacrylate	10.43	69	454898	44.94	ug/l	98
57) 1,3-Dichloropropane	10.71	76	588980	49.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1104230	231.59	ug/l	100
59) 2-Hexanone	10.75	43	1278116	281.28	ug/l	100
60) Dibromochloromethane	10.90	129	410474	49.41	ug/l	99
61) 1,2-Dibromoethane	11.00	107	343311	48.50	ug/l	99
64) Tetrachloroethene	10.63	164	372287	48.82	ug/l	100
65) Chlorobenzene	11.43	112	1054719	49.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	399574	48.38	ug/l	100
67) Ethyl Benzene	11.51	91	1832363	52.98	ug/l	100
68) m/p-Xylenes	11.62	106	1418182	108.32	ug/l	99
69) o-Xylene	11.95	106	663609	52.77	ug/l	100
70) Styrene	11.96	104	1132428	55.59	ug/l	100
71) Bromoform	12.13	173	286084	48.42	ug/l #	99
73) Isopropylbenzene	12.25	105	1827394	51.39	ug/l	99
74) N-amyl acetate	12.07	43	507650	46.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	450581	42.29	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	362439m	41.27	ug/l	
77) Bromobenzene	12.53	156	469001	47.76	ug/l	100
78) n-propylbenzene	12.59	91	2141385	52.96	ug/l	99
79) 2-Chlorotoluene	12.67	91	1257843	50.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1514584	53.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130591	46.50	ug/l	97
82) 4-Chlorotoluene	12.77	91	1284601	51.58	ug/l	99
83) tert-Butylbenzene	12.99	119	1291219	51.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1559188	54.00	ug/l	100
85) sec-Butylbenzene	13.17	105	1793027	54.20	ug/l	100
86) p-Isopropyltoluene	13.29	119	1554657	55.13	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	843846	49.32	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	825718	48.13	ug/l	100
89) n-Butylbenzene	13.62	91	1317018	56.56	ug/l	100
90) Hexachloroethane	13.87	117	288568	45.59	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	814053	48.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68520	41.62	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	434118	47.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	269224	48.83	ug/l	99
95) Naphthalene	15.13	128	891499	41.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	420701	52.12	ug/l	99

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

