

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049931.D
 Acq On : 19 Jul 2018 22:03
 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
 7/20/2018 11:08:06 AM

Quant Time: Jul 20 03:14:11 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	589612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	883335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	802054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	431447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421503	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	374410	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1370042	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	470541	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	261040	48.47	ug/l	97
3) Chloromethane	2.06	50	388590	48.28	ug/l	100
4) Vinyl Chloride	2.18	62	389183	45.34	ug/l	100
5) Bromomethane	2.56	94	156983	32.02	ug/l	99
6) Chloroethane	2.70	64	254173	45.34	ug/l	100
7) Trichlorofluoromethane	3.01	101	536918	45.50	ug/l	97
8) Diethyl Ether	3.41	74	200077	48.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	329727	45.32	ug/l	99
10) Methyl Iodide	3.95	142	343092	35.15	ug/l	97
11) Tert butyl alcohol	4.81	59	133418	231.09	ug/l	100
12) 1,1-Dichloroethene	3.73	96	298968	46.77	ug/l	100
13) Acrolein	3.61	56	75372	202.60	ug/l	95
14) Allyl chloride	4.32	41	478725	47.51	ug/l	99
15) Acrylonitrile	4.99	53	643780	253.55	ug/l	97
16) Acetone	3.82	43	471589	224.76	ug/l	99
17) Carbon Disulfide	4.05	76	820389	42.89	ug/l	99
18) Methyl Acetate	4.33	43	360299	54.73	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	918054	52.20	ug/l	98
20) Methylene Chloride	4.55	84	383583	48.07	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	329547	48.55	ug/l	99
22) Diisopropyl ether	5.96	45	1096173	53.31	ug/l	98
23) Vinyl Acetate	5.90	43	3835747	265.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	643289	48.73	ug/l	100
25) 2-Butanone	6.84	43	752570	250.97	ug/l	100
26) 2,2-Dichloropropane	6.83	77	445681	43.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	372757	50.05	ug/l	99
28) Bromochloromethane	7.20	49	321597	53.94	ug/l	99
29) Tetrahydrofuran	7.22	42	499550	264.45	ug/l	99
30) Chloroform	7.37	83	664582	49.04	ug/l	99
31) Cyclohexane	7.65	56	515667	48.00	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	563381	48.10	ug/l	99
36) 1,1-Dichloropropene	7.79	75	473588	48.22	ug/l	100
37) Ethyl Acetate	6.94	43	333809	49.50	ug/l	100
38) Carbon Tetrachloride	7.77	117	498297	47.36	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	483612	47.66	ug/l	97
40) Benzene	8.04	78	1449619	48.42	ug/l	100
41) Methacrylonitrile	7.17	41	169657	50.18	ug/l	94
42) 1,2-Dichloroethane	8.13	62	483493	48.76	ug/l	100
43) Isopropyl Acetate	8.17	43	659336	55.96	ug/l	99
44) Trichloroethene	8.84	130	374325	47.69	ug/l	99
45) 1,2-Dichloropropane	9.12	63	394957	48.91	ug/l	100
46) Dibromomethane	9.21	93	243381	48.60	ug/l	98
47) Bromodichloromethane	9.40	83	514152	49.64	ug/l	99
48) Methyl methacrylate	9.20	41	304845	51.58	ug/l	99
49) 1,4-Dioxane	9.20	88	83508	995.96	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1752988	266.14	ug/l	100
52) Toluene	10.16	92	909592	50.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507196	49.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	569202	50.29	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	354871	48.11	ug/l	100
56) Ethyl methacrylate	10.43	69	461472	46.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585402	50.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1108474	238.46	ug/l	99
59) 2-Hexanone	10.75	43	1186834	268.26	ug/l	100
60) Dibromochloromethane	10.90	129	400068	49.46	ug/l	99
61) 1,2-Dibromoethane	11.01	107	348326	50.53	ug/l	99
64) Tetrachloroethene	10.63	164	342563	47.53	ug/l	99
65) Chlorobenzene	11.44	112	993505	49.30	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	383391	49.12	ug/l	99
67) Ethyl Benzene	11.51	91	1703622	52.11	ug/l	100
68) m/p-Xylenes	11.62	106	1317263	106.45	ug/l	99
69) o-Xylene	11.95	106	632890	53.25	ug/l	98
70) Styrene	11.97	104	1073038	55.74	ug/l	100
71) Bromoform	12.13	173	291116	52.14	ug/l #	98
73) Isopropylbenzene	12.25	105	1692628	51.65	ug/l	100
74) N-amyl acetate	12.07	43	534531	53.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	473340	48.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	398068m	49.18	ug/l	
77) Bromobenzene	12.53	156	443025	48.95	ug/l	97
78) n-propylbenzene	12.59	91	1950125	52.34	ug/l	100
79) 2-Chlorotoluene	12.68	91	1173926	51.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1389760	52.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	126811	48.99	ug/l	97
82) 4-Chlorotoluene	12.78	91	1175260	51.21	ug/l	100
83) tert-Butylbenzene	12.99	119	1202294	52.12	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1429222	53.71	ug/l	100
85) sec-Butylbenzene	13.17	105	1606541	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1398051	53.79	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	784688	49.76	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	766462	48.48	ug/l	99
89) n-Butylbenzene	13.62	91	1130639	52.69	ug/l	99
90) Hexachloroethane	13.88	117	271100	46.48	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	777229	50.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76471	50.41	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	385822	45.47	ug/l	99
94) Hexachlorobutadiene	15.01	225	230993	45.47	ug/l	99
95) Naphthalene	15.14	128	890404	44.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	393661	52.93	ug/l	100

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

