

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050018.D
 Acq On : 24 Jul 2018 10:21
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:14 PM

Quant Time: Jul 24 16:43:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	684933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	952322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	885525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	482694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	451011	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.59	113	398945	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	1499887	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.40	95	504368	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	516213	52.45	ug/l	100
3) Chloromethane	2.06	50	493768	46.16	ug/l	99
4) Vinyl Chloride	2.18	62	524594	46.57	ug/l	99
5) Bromomethane	2.56	94	318652	50.96	ug/l	98
6) Chloroethane	2.70	64	302652	44.73	ug/l	100
7) Trichlorofluoromethane	3.01	101	682725	46.78	ug/l	100
8) Diethyl Ether	3.41	74	225746	46.40	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	418386	47.67	ug/l	100
10) Methyl Iodide	3.95	142	525554	46.66	ug/l	99
11) Tert butyl alcohol	4.80	59	151715	215.77	ug/l	100
12) 1,1-Dichloroethene	3.73	96	371209	47.02	ug/l	97
13) Acrolein	3.61	56	126934	224.69	ug/l	98
14) Allyl chloride	4.32	41	584954	47.79	ug/l	99
15) Acrylonitrile	4.99	53	691227	225.32	ug/l	100
16) Acetone	3.82	43	589024	261.88	ug/l	99
17) Carbon Disulfide	4.05	76	1134214	46.90	ug/l	100
18) Methyl Acetate	4.33	43	395028	44.95	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1020669	48.52	ug/l	99
20) Methylene Chloride	4.55	84	415467	49.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	398379	47.62	ug/l	100
22) Diisopropyl ether	5.96	45	1214954	50.06	ug/l	99
23) Vinyl Acetate	5.90	43	4213863	245.67	ug/l	99
24) 1,1-Dichloroethane	5.85	63	735823	46.36	ug/l	99
25) 2-Butanone	6.84	43	870224	238.74	ug/l	98
26) 2,2-Dichloropropane	6.82	77	626507	51.89	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	438398	48.69	ug/l	99
28) Bromochloromethane	7.19	49	333097	46.01	ug/l	100
29) Tetrahydrofuran	7.21	42	542843	230.47	ug/l	99
30) Chloroform	7.37	83	746903	46.12	ug/l	98
31) Cyclohexane	7.65	56	652498	49.57	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	644334	46.51	ug/l	99
36) 1,1-Dichloropropene	7.79	75	576367	53.72	ug/l	99
37) Ethyl Acetate	6.93	43	363866	48.64	ug/l	99
38) Carbon Tetrachloride	7.78	117	579073	50.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	628536	56.95	ug/l	99
40) Benzene	8.04	78	1692492	51.84	ug/l	99
41) Methacrylonitrile	7.18	41	197166	50.57	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	537894	49.38	ug/l	100
43) Isopropyl Acetate	8.17	43	672217	47.63	ug/l	99
44) Trichloroethene	8.84	130	443862	50.59	ug/l	100
45) 1,2-Dichloropropane	9.12	63	437448	50.59	ug/l	99
46) Dibromomethane	9.21	93	269052	50.11	ug/l	99
47) Bromodichloromethane	9.40	83	569320	50.24	ug/l	99
48) Methyl methacrylate	9.20	41	332145	51.56	ug/l	100
49) 1,4-Dioxane	9.20	88	88880	1013.75	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1841301	250.39	ug/l	100
52) Toluene	10.16	92	1041795	54.06	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	578203	54.07	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	657829	53.82	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384835	50.34	ug/l	99
56) Ethyl methacrylate	10.43	69	484603	46.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	635696	51.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1153140	238.76	ug/l	100
59) 2-Hexanone	10.75	43	1304312	241.56	ug/l	99
60) Dibromochloromethane	10.90	129	435114	51.41	ug/l	98
61) 1,2-Dibromoethane	11.01	107	378976	49.97	ug/l	99
64) Tetrachloroethene	10.63	164	428118	50.29	ug/l	99
65) Chlorobenzene	11.44	112	1114296	49.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	420885	48.97	ug/l	99
67) Ethyl Benzene	11.51	91	1955256	54.42	ug/l	100
68) m/p-Xylenes	11.62	106	1521063	111.92	ug/l	100
69) o-Xylene	11.95	106	715777	55.25	ug/l	99
70) Styrene	11.97	104	1165944	50.59	ug/l	100
71) Bromoform	12.13	173	306438	49.01	ug/l #	98
73) Isopropylbenzene	12.25	105	1922434	51.35	ug/l	100
74) N-amyl acetate	12.07	43	544576	47.60	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	479847	47.92	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	453508m	50.56	ug/l	
77) Bromobenzene	12.53	156	488316	47.06	ug/l	100
78) n-propylbenzene	12.59	91	2251693	53.81	ug/l	100
79) 2-Chlorotoluene	12.68	91	1314769	50.70	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1592477	54.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141261	49.95	ug/l	98
82) 4-Chlorotoluene	12.78	91	1336492	52.04	ug/l	99
83) tert-Butylbenzene	12.99	119	1361159	52.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1643969	55.39	ug/l	99
85) sec-Butylbenzene	13.17	105	1860299	54.18	ug/l	100
86) p-Isopropyltoluene	13.29	119	1620159	56.00	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	867298	49.31	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	855478	49.90	ug/l	99
89) n-Butylbenzene	13.62	91	1353441	56.89	ug/l	100
90) Hexachloroethane	13.88	117	298770	46.51	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	852862	48.51	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75681	45.30	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	445830	47.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	272034	50.54	ug/l	100
95) Naphthalene	15.14	128	945213	43.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	437514	48.25	ug/l	99

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

