

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 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
 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	716280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	426529	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
35) Dibromofluoromethane	7.59	113	399717	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
50) Toluene-d8	10.09	98	1525782	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	519173	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	364623	45.15	ug/l	99
3) Chloromethane	2.06	50	468280	47.56	ug/l	98
4) Vinyl Chloride	2.18	62	476877	44.45	ug/l	99
5) Bromomethane	2.56	94	257918	44.50	ug/l	99
6) Chloroethane	2.70	64	287570	48.18	ug/l	100
7) Trichlorofluoromethane	3.01	101	613478	43.58	ug/l	96
8) Diethyl Ether	3.41	74	207974	44.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	387432	45.52	ug/l	99
10) Methyl Iodide	3.95	142	302394	49.98	ug/l	99
11) Tert butyl alcohol	4.78	59	112050	227.28	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348154	44.80	ug/l	98
13) Acrolein	3.61	56	40105	211.99	ug/l	95
14) Allyl chloride	4.32	41	558232	46.18	ug/l	100
15) Acrylonitrile	4.99	53	617424	228.03	ug/l	99
16) Acetone	3.82	43	551508	244.61	ug/l	98
17) Carbon Disulfide	4.05	76	1095432	44.79	ug/l	100
18) Methyl Acetate	4.32	43	289974	45.64	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	931540	47.09	ug/l	100
20) Methylene Chloride	4.55	84	404997	47.12	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	386495	45.87	ug/l	97
22) Diisopropyl ether	5.95	45	1191935	48.09	ug/l	99
23) Vinyl Acetate	5.90	43	3980618	245.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	702096	43.78	ug/l	99
25) 2-Butanone	6.84	43	897297	242.39	ug/l	99
26) 2,2-Dichloropropane	6.82	77	588653	54.83	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	425848	45.39	ug/l	97
28) Bromochloromethane	7.20	49	337129	46.19	ug/l	100
29) Tetrahydrofuran	7.21	42	451665	233.67	ug/l	99
30) Chloroform	7.37	83	715498	44.02	ug/l	100
31) Cyclohexane	7.65	56	649352	47.43	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	607416	44.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	557216	50.49	ug/l	99
37) Ethyl Acetate	6.93	43	315710	50.61	ug/l	99
38) Carbon Tetrachloride	7.77	117	546294	47.72	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	621329	54.38	ug/l	99
40) Benzene	8.04	78	1658000	49.38	ug/l	100
41) Methacrylonitrile	7.18	41	171535	50.86	ug/l	95
42) 1,2-Dichloroethane	8.12	62	495952	48.20	ug/l	100
43) Isopropyl Acetate	8.17	43	555706	48.88	ug/l	99
44) Trichloroethene	8.83	130	433003	48.15	ug/l	100
45) 1,2-Dichloropropane	9.12	63	436791	48.87	ug/l	98
46) Dibromomethane	9.21	93	250914	47.54	ug/l	98
47) Bromodichloromethane	9.40	83	546759	48.47	ug/l	99
48) Methyl methacrylate	9.20	41	280234	48.99	ug/l	100
49) 1,4-Dioxane	9.20	88	78510	1041.75	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1969243	256.11	ug/l	100
52) Toluene	10.16	92	1043404	52.05	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	553873	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	652377	54.12	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	361768	48.31	ug/l	98
56) Ethyl methacrylate	10.43	69	456717	47.89	ug/l	100
57) 1,3-Dichloropropane	10.71	76	609877	49.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1100544	240.89	ug/l	99
59) 2-Hexanone	10.75	43	1362504	274.55	ug/l	99
60) Dibromochloromethane	10.90	129	415043	50.21	ug/l	100
61) 1,2-Dibromoethane	11.01	107	356807	50.03	ug/l	100
64) Tetrachloroethene	10.63	164	407859	46.90	ug/l	100
65) Chlorobenzene	11.43	112	1134753	48.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409900	46.92	ug/l	99
67) Ethyl Benzene	11.51	91	1956551	51.99	ug/l	100
68) m/p-Xylenes	11.62	106	1529897	106.30	ug/l	100
69) o-Xylene	11.95	106	721405	52.57	ug/l	99
70) Styrene	11.96	104	1207034	49.47	ug/l	99
71) Bromoform	12.13	173	288962	49.88	ug/l #	100
73) Isopropylbenzene	12.25	105	1932179	49.92	ug/l	99
74) N-amyl acetate	12.07	43	496745	49.33	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	451948	50.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363015m	45.25	ug/l	
77) Bromobenzene	12.53	156	490862	46.71	ug/l	99
78) n-propylbenzene	12.59	91	2250756	52.15	ug/l	99
79) 2-Chlorotoluene	12.67	91	1322775	49.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1614356	52.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	121446	54.50	ug/l	98
82) 4-Chlorotoluene	12.77	91	1356852	51.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1351490	50.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1642122	52.79	ug/l	100
85) sec-Butylbenzene	13.17	105	1838135	52.29	ug/l	99
86) p-Isopropyltoluene	13.29	119	1626305	54.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	888927	49.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	862497	48.57	ug/l	100
89) n-Butylbenzene	13.62	91	1342405	55.81	ug/l	99
90) Hexachloroethane	13.87	117	283080	47.26	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	842880	48.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65434	47.38	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	433853	48.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	266235	49.75	ug/l	99
95) Naphthalene	15.13	128	856334	45.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	412601	49.34	ug/l	99

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

