

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057274.D
 Acq On : 14 Aug 2019 2:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:27 AM

Quant Time: Aug 14 12:26:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1187786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1793722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1649047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	664897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	614828	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	7.58	113	549494	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.09	98	2102488	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	709523	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	492302	49.167	ug/l	100
3) Chloromethane	2.06	50	592038	52.155	ug/l	97
4) Vinyl Chloride	2.18	62	555882	50.414	ug/l	98
5) Bromomethane	2.53	94	392743m	50.538	ug/l	
6) Chloroethane	2.69	64	380579	53.568	ug/l	97
7) Trichlorofluoromethane	3.01	101	864522	49.832	ug/l	98
8) Diethyl Ether	3.40	74	328728	52.291	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	493706	47.393	ug/l	99
10) Methyl Iodide	3.95	142	857517	52.989	ug/l	98
11) Tert butyl alcohol	4.76	59	430733	266.939	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	512825	49.616	ug/l	100
13) Acrolein	3.60	56	303122	262.570	ug/l	100
14) Allyl chloride	4.32	41	772472	49.267	ug/l	99
15) Acrylonitrile	4.97	53	1229965	270.562	ug/l	100
16) Acetone	3.80	43	938285	228.407	ug/l	99
17) Carbon Disulfide	4.05	76	1378170	48.781	ug/l	99
18) Methyl Acetate	4.31	43	630254	59.741	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1603427	51.952	ug/l	99
20) Methylene Chloride	4.55	84	599516	49.960	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	544017	49.374	ug/l	96
22) Diisopropyl ether	5.94	45	1575206	51.096	ug/l	100
23) Vinyl Acetate	5.88	43	6415230	262.604	ug/l	100
24) 1,1-Dichloroethane	5.84	63	985196	50.724	ug/l	99
25) 2-Butanone	6.82	43	1503726	257.465	ug/l	100
26) 2,2-Dichloropropane	6.82	77	560908	35.199	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	645251	50.784	ug/l	97
28) Bromochloromethane	7.18	49	448321	52.309	ug/l	99
29) Tetrahydrofuran	7.20	42	989935	265.139	ug/l	99
30) Chloroform	7.36	83	1019284	50.238	ug/l	98
31) Cyclohexane	7.65	56	825531	48.632	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	900611	52.478	ug/l	99
36) 1,1-Dichloropropene	7.79	75	740783	47.237	ug/l	100
37) Ethyl Acetate	6.91	43	625525	49.626	ug/l	99
38) Carbon Tetrachloride	7.77	117	800669	48.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	858543	46.239	ug/l	99
40) Benzene	8.03	78	2304684	48.375	ug/l	99
41) Methacrylonitrile	7.17	41	272458m	52.525	ug/l	
42) 1,2-Dichloroethane	8.12	62	760410	49.808	ug/l	100
43) Isopropyl Acetate	8.16	43	1465854	70.614	ug/l #	87
44) Trichloroethene	8.83	130	654456	47.389	ug/l	100
45) 1,2-Dichloropropane	9.11	63	597389	49.495	ug/l	98
46) Dibromomethane	9.20	93	394982	48.536	ug/l	98
47) Bromodichloromethane	9.40	83	796422	50.761	ug/l	99
48) Methyl methacrylate	9.19	41	505144	52.590	ug/l	98
49) 1,4-Dioxane	9.19	88	213395	985.832	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3161951	259.396	ug/l	99
52) Toluene	10.15	92	1478449	49.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	831091	49.522	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	923173	48.809	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	568055	49.101	ug/l	99
56) Ethyl methacrylate	10.43	69	855330	52.696	ug/l	100
57) 1,3-Dichloropropane	10.70	76	944385	49.477	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1099726	233.272	ug/l	100
59) 2-Hexanone	10.75	43	2262262	261.570	ug/l	100
60) Dibromochloromethane	10.90	129	669765	51.625	ug/l	99
61) 1,2-Dibromoethane	11.00	107	611674	50.927	ug/l	99
64) Tetrachloroethene	10.63	164	659950	45.309	ug/l	97
65) Chlorobenzene	11.43	112	1632758	48.386	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	629415	48.302	ug/l	99
67) Ethyl Benzene	11.51	91	2816103	48.885	ug/l	99
68) m/p-Xylenes	11.62	106	2134808	99.323	ug/l	99
69) o-Xylene	11.95	106	1046481	49.727	ug/l	99
70) Styrene	11.96	104	1721856	52.846	ug/l	100
71) Bromoform	12.13	173	519048	51.983	ug/l #	100
73) Isopropylbenzene	12.25	105	2789528	54.594	ug/l	99
74) N-amyl acetate	12.07	43	845946	54.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	785879	56.818	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	650008m	56.241	ug/l	
77) Bromobenzene	12.53	156	748282	54.250	ug/l	99
78) n-propylbenzene	12.59	91	2900287	51.955	ug/l	99
79) 2-Chlorotoluene	12.67	91	1807207	53.819	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2334206	53.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	226417	45.739	ug/l	98
82) 4-Chlorotoluene	12.77	91	1694987	46.742	ug/l	99
83) tert-Butylbenzene	12.99	119	2049043	53.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2213552	47.276	ug/l	100
85) sec-Butylbenzene	13.17	105	2532294	51.725	ug/l	100
86) p-Isopropyltoluene	13.29	119	2220992	45.426	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1105999	48.016	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1034660	46.183	ug/l	99
89) n-Butylbenzene	13.62	91	1612510	47.020	ug/l	99
90) Hexachloroethane	13.88	117	437984	53.884	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1056748	47.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	113515	51.110	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	353853	41.052	ug/l	98
94) Hexachlorobutadiene	15.01	225	414260	48.241	ug/l	99
95) Naphthalene	15.13	128	728010	51.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	335111	43.249	ug/l	99

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

