

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053329.D
 Acq On : 9 Jan 2019 19:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:31 AM

Quant Time: Jan 10 03:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	899890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1383559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1283440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	603146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	454666	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	395862	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	1688437	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	604566	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	394453	49.720	ug/l	100
3) Chloromethane	2.06	50	535832	48.365	ug/l	100
4) Vinyl Chloride	2.19	62	518578	49.041	ug/l	100
5) Bromomethane	2.52	94	306963	44.424	ug/l	98
6) Chloroethane	2.68	64	311348	48.781	ug/l	100
7) Trichlorofluoromethane	3.01	101	630503	46.033	ug/l	100
8) Diethyl Ether	3.41	74	266639	49.668	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	413035	47.581	ug/l	99
10) Methyl Iodide	3.95	142	644578	52.973	ug/l	99
11) Tert butyl alcohol	4.78	59	112335	199.488	ug/l	100
12) 1,1-Dichloroethene	3.73	96	400327	47.677	ug/l	99
13) Acrolein	3.60	56	154547	218.280	ug/l	100
14) Allyl chloride	4.32	41	675553	49.918	ug/l	96
15) Acrylonitrile	4.99	53	839572	249.756	ug/l	99
16) Acetone	3.81	43	524618	232.676	ug/l	100
17) Carbon Disulfide	4.05	76	1147526	44.329	ug/l	99
18) Methyl Acetate	4.32	43	435232	51.366	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1187421	50.388	ug/l	99
20) Methylene Chloride	4.55	84	482979	48.032	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	432901	48.017	ug/l	100
22) Diisopropyl ether	5.95	45	1463500	50.198	ug/l	98
23) Vinyl Acetate	5.89	43	4638328	252.849	ug/l	100
24) 1,1-Dichloroethane	5.85	63	826516	49.154	ug/l	99
25) 2-Butanone	6.83	43	911977	237.435	ug/l	100
26) 2,2-Dichloropropane	6.82	77	579735	47.166	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	504813	49.032	ug/l	99
28) Bromochloromethane	7.19	49	364533	50.874	ug/l	100
29) Tetrahydrofuran	7.21	42	615700	242.911	ug/l	99
30) Chloroform	7.37	83	801825	48.448	ug/l	98
31) Cyclohexane	7.65	56	766660	47.972	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	676602	49.060	ug/l	100
36) 1,1-Dichloropropene	7.79	75	625195	48.403	ug/l	100
37) Ethyl Acetate	6.93	43	415200	49.351	ug/l	99
38) Carbon Tetrachloride	7.77	117	580522	48.694	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	773209	51.672	ug/l	99
40) Benzene	8.04	78	1941957	49.220	ug/l	100
41) Methacrylonitrile	7.17	41	247186	47.324	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	574841	49.118	ug/l	100
43) Isopropyl Acetate	8.16	43	782770	47.295	ug/l	99
44) Trichloroethene	8.83	130	527799	48.718	ug/l	99
45) 1,2-Dichloropropane	9.12	63	515911	49.856	ug/l	98
46) Dibromomethane	9.21	93	300202	49.755	ug/l	99
47) Bromodichloromethane	9.40	83	620940	49.384	ug/l	100
48) Methyl methacrylate	9.20	41	385771	51.304	ug/l	99
49) 1,4-Dioxane	9.20	88	57938	723.206	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2137771	256.846	ug/l	100
52) Toluene	10.16	92	1219409	50.378	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	655409	50.954	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	743327	50.010	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	442258	49.691	ug/l	99
56) Ethyl methacrylate	10.43	69	618914	53.512	ug/l	99
57) 1,3-Dichloropropane	10.71	76	760808	51.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1597979	255.561	ug/l	100
59) 2-Hexanone	10.75	43	1443638	253.149	ug/l	99
60) Dibromochloromethane	10.90	129	488089	50.845	ug/l	99
61) 1,2-Dibromoethane	11.01	107	448334	51.046	ug/l	98
64) Tetrachloroethene	10.63	164	609278	50.438	ug/l	100
65) Chlorobenzene	11.43	112	1368511	49.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	478758	49.059	ug/l	100
67) Ethyl Benzene	11.51	91	2360596	49.827	ug/l	100
68) m/p-Xylenes	11.62	106	1808169	101.499	ug/l	100
69) o-Xylene	11.95	106	883806	50.675	ug/l	100
70) Styrene	11.96	104	1471155	51.829	ug/l	100
71) Bromoform	12.13	173	345868	50.177	ug/l #	99
73) Isopropylbenzene	12.25	105	2352626	52.390	ug/l	100
74) N-amyl acetate	12.07	43	691801	51.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	506678	49.050	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	462849m	52.613	ug/l	
77) Bromobenzene	12.53	156	611953	51.059	ug/l	100
78) n-propylbenzene	12.59	91	2692918	53.015	ug/l	99
79) 2-Chlorotoluene	12.67	91	1570527	51.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1920281	53.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156601	52.374	ug/l	98
82) 4-Chlorotoluene	12.77	91	1599013	50.736	ug/l	100
83) tert-Butylbenzene	12.99	119	1694940	53.407	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1944584	52.770	ug/l	100
85) sec-Butylbenzene	13.17	105	2294209	54.815	ug/l	100
86) p-Isopropyltoluene	13.29	119	2004528	55.317	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1044738	49.500	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1015172	48.488	ug/l	100
89) n-Butylbenzene	13.62	91	1676831	55.193	ug/l	100
90) Hexachloroethane	13.88	117	303753	52.298	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	955376	48.325	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67786	54.102	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	386382	62.157	ug/l	100
94) Hexachlorobutadiene	15.01	225	277899	54.657	ug/l	99
95) Naphthalene	15.13	128	713873	67.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	279979	68.794	ug/l	98

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

