

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054528.D
 Acq On : 21 Mar 2019 23:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:22:55 PM

Quant Time: Mar 22 10:31:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	487491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	825547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	342564	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
35) Dibromofluoromethane	7.59	113	276233	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.09	98	1011713	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	339194	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	247135	53.030	ug/l	100
3) Chloromethane	2.06	50	332018	52.363	ug/l	99
4) Vinyl Chloride	2.19	62	327240	51.404	ug/l	100
5) Bromomethane	2.57	94	179733	43.662	ug/l	98
6) Chloroethane	2.71	64	184931	48.432	ug/l	100
7) Trichlorofluoromethane	3.02	101	398505	51.546	ug/l	99
8) Diethyl Ether	3.41	74	144707	48.669	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	208699	45.933	ug/l	96
10) Methyl Iodide	3.94	142	297980	44.584	ug/l	93
11) Tert butyl alcohol	4.82	59	110840	301.930	ug/l	98
12) 1,1-Dichloroethene	3.73	96	222686	47.359	ug/l #	82
13) Acrolein	3.61	56	138145	272.686	ug/l	100
14) Allyl chloride	4.31	41	486849	54.985	ug/l #	90
15) Acrylonitrile	5.00	53	548568	300.068	ug/l	100
16) Acetone	3.82	43	404264	221.754	ug/l #	85
17) Carbon Disulfide	4.04	76	625724	49.666	ug/l	100
18) Methyl Acetate	4.33	43	244873	60.264	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	775313	56.499	ug/l	95
20) Methylene Chloride	4.54	84	280436	52.185	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	266082	55.419	ug/l	85
22) Diisopropyl ether	5.96	45	1002786	57.418	ug/l #	96
23) Vinyl Acetate	5.90	43	3727475	302.191	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	528243	56.175	ug/l	99
25) 2-Butanone	6.85	43	699650	299.598	ug/l	90
26) 2,2-Dichloropropane	6.82	77	315603	47.082	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	310024	54.135	ug/l	90
28) Bromochloromethane	7.20	49	274516	59.308	ug/l #	73
29) Tetrahydrofuran	7.22	42	484680	319.825	ug/l #	85
30) Chloroform	7.37	83	512036	55.795	ug/l	99
31) Cyclohexane	7.65	56	488821	54.413	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	427477	56.461	ug/l	96
36) 1,1-Dichloropropene	7.79	75	384879	49.862	ug/l	97
37) Ethyl Acetate	6.94	43	314182	57.228	ug/l	96
38) Carbon Tetrachloride	7.77	117	371486	49.524	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	412961	46.770	ug/l	90
40) Benzene	8.04	78	1136886	51.506	ug/l	99
41) Methacrylonitrile	7.18	41	186875	55.816	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	413592	51.452	ug/l	98
43) Isopropyl Acetate	8.17	43	526464	56.782	ug/l #	93
44) Trichloroethene	8.83	130	303326	49.429	ug/l	95
45) 1,2-Dichloropropane	9.12	63	320466	54.069	ug/l	100
46) Dibromomethane	9.21	93	186355	52.704	ug/l	90
47) Bromodichloromethane	9.40	83	390846	53.262	ug/l	100
48) Methyl methacrylate	9.20	41	275880	54.821	ug/l	87
49) 1,4-Dioxane	9.20	88	60574	1076.698	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1495060	290.955	ug/l	94
52) Toluene	10.16	92	676388	49.823	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	369328	47.813	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	446844	53.107	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	256314	52.524	ug/l	97
56) Ethyl methacrylate	10.43	69	361327	55.165	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	451092	53.176	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	711610	263.842	ug/l	90
59) 2-Hexanone	10.75	43	948335	282.547	ug/l	92
60) Dibromochloromethane	10.90	129	276438	53.235	ug/l	100
61) 1,2-Dibromoethane	11.01	107	254104	52.670	ug/l	100
64) Tetrachloroethene	10.63	164	284106	48.674	ug/l	95
65) Chlorobenzene	11.44	112	712842	49.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276875	53.896	ug/l	99
67) Ethyl Benzene	11.51	91	1262276	49.927	ug/l	98
68) m/p-Xylenes	11.62	106	941720	98.339	ug/l	97
69) o-Xylene	11.95	106	464931	49.714	ug/l	97
70) Styrene	11.96	104	774773	51.015	ug/l	97
71) Bromoform	12.13	173	173951	49.154	ug/l	99
73) Isopropylbenzene	12.25	105	1201427	49.395	ug/l	99
74) N-amyl acetate	12.07	43	416536	59.559	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	313051	56.382	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	286517m	59.819	ug/l	
77) Bromobenzene	12.53	156	306158	50.753	ug/l	87
78) n-propylbenzene	12.59	91	1314299	49.832	ug/l	98
79) 2-Chlorotoluene	12.68	91	813916	49.487	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	993382	49.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	68860	49.589	ug/l #	83
82) 4-Chlorotoluene	12.77	91	803775	50.418	ug/l	96
83) tert-Butylbenzene	12.99	119	867822	50.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	984891	50.352	ug/l	98
85) sec-Butylbenzene	13.17	105	1067132	49.334	ug/l	98
86) p-Isopropyltoluene	13.29	119	957740	49.490	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	499043	49.921	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	487595	50.131	ug/l	98
89) n-Butylbenzene	13.62	91	764169	50.500	ug/l	98
90) Hexachloroethane	13.88	117	156774	52.190	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	496560	51.284	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47477	58.298	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	252103	52.229	ug/l	99
94) Hexachlorobutadiene	15.01	225	135738	50.055	ug/l	99
95) Naphthalene	15.13	128	594612	55.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	254703	53.019	ug/l	100

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

