

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054706.D
 Acq On : 26 Mar 2019 19:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:10:25 AM

Quant Time: Mar 27 05:14:11 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	407002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	648952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	278156	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
35) Dibromofluoromethane	7.59	113	224291	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.09	98	833885	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	282195	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	200058	51.418	ug/l	99
3) Chloromethane	2.06	50	283955	53.639	ug/l	99
4) Vinyl Chloride	2.19	62	259846	48.890	ug/l	99
5) Bromomethane	2.57	94	147638	42.958	ug/l	97
6) Chloroethane	2.71	64	145661	45.692	ug/l	98
7) Trichlorofluoromethane	3.03	101	325637	50.450	ug/l	98
8) Diethyl Ether	3.41	74	107612	43.350	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167553	44.170	ug/l	93
10) Methyl Iodide	3.95	142	252135	45.185	ug/l #	88
11) Tert butyl alcohol	4.81	59	77127	251.644	ug/l	99
12) 1,1-Dichloroethene	3.73	96	169998	43.304	ug/l #	76
13) Acrolein	3.61	56	89347	211.241	ug/l	97
14) Allyl chloride	4.32	41	408434	55.251	ug/l #	91
15) Acrylonitrile	5.00	53	425694	278.905	ug/l	99
16) Acetone	3.82	43	330366	217.056	ug/l #	83
17) Carbon Disulfide	4.04	76	514722	48.935	ug/l	98
18) Methyl Acetate	4.33	43	193760	57.115	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	592294	51.698	ug/l	94
20) Methylene Chloride	4.55	84	232840	51.896	ug/l #	76
21) trans-1,2-Dichloroethene	5.04	96	217545	54.270	ug/l #	83
22) Diisopropyl ether	5.96	45	838339	57.494	ug/l #	93
23) Vinyl Acetate	5.90	43	3020261	293.280	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	439390	55.966	ug/l	98
25) 2-Butanone	6.85	43	532368	273.049	ug/l	89
26) 2,2-Dichloropropane	6.82	77	299288	53.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	252703	52.852	ug/l	87
28) Bromochloromethane	7.19	49	224994	58.222	ug/l #	70
29) Tetrahydrofuran	7.22	42	361275	285.539	ug/l #	83
30) Chloroform	7.37	83	425043	55.475	ug/l	98
31) Cyclohexane	7.65	56	408347	54.446	ug/l	84
32) 1,1,1-Trichloroethane	7.57	97	353713	55.958	ug/l	96
36) 1,1-Dichloropropene	7.79	75	318695	52.523	ug/l	96
37) Ethyl Acetate	6.94	43	236845	54.881	ug/l	95
38) Carbon Tetrachloride	7.77	117	308781	52.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	336658	48.504	ug/l #	88
40) Benzene	8.04	78	941876	54.284	ug/l	100
41) Methacrylonitrile	7.17	41	135479	51.476	ug/l	90
42) 1,2-Dichloroethane	8.12	62	338850	53.625	ug/l	97
43) Isopropyl Acetate	8.17	43	411524	56.463	ug/l #	93
44) Trichloroethene	8.84	130	242750	50.322	ug/l	93
45) 1,2-Dichloropropane	9.12	63	269519	57.848	ug/l	97
46) Dibromomethane	9.21	93	149331	53.725	ug/l	90
47) Bromodichloromethane	9.40	83	328634	56.970	ug/l	96
48) Methyl methacrylate	9.20	41	216960	54.845	ug/l #	86
49) 1,4-Dioxane	9.20	88	44198	999.400	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1153335	285.530	ug/l	92
52) Toluene	10.16	92	564033	52.853	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	313966	51.525	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	372991	56.393	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	209138	54.519	ug/l	97
56) Ethyl methacrylate	10.43	69	284197	55.197	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	368039	55.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	515890	243.326	ug/l	90
59) 2-Hexanone	10.75	43	720186	272.962	ug/l	90
60) Dibromochloromethane	10.90	129	226729	55.544	ug/l	99
61) 1,2-Dibromoethane	11.01	107	201782	53.206	ug/l	99
64) Tetrachloroethene	10.63	164	228155	48.061	ug/l	96
65) Chlorobenzene	11.43	112	599354	51.489	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	225637	54.005	ug/l	98
67) Ethyl Benzene	11.51	91	1076519	52.355	ug/l	98
68) m/p-Xylenes	11.62	106	793632	101.900	ug/l	95
69) o-Xylene	11.95	106	388477	51.075	ug/l	96
70) Styrene	11.96	104	649122	52.553	ug/l	97
71) Bromoform	12.13	173	139467	48.488	ug/l #	97
73) Isopropylbenzene	12.25	105	1014229	50.287	ug/l	98
74) N-amyl acetate	12.07	43	328354	56.620	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	251336	54.591	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	212194m	53.427	ug/l	
77) Bromobenzene	12.53	156	251810	50.341	ug/l	85
78) n-propylbenzene	12.59	91	1121801	51.294	ug/l	97
79) 2-Chlorotoluene	12.67	91	694709	50.939	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	835831	50.565	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	58092	50.396	ug/l #	83
82) 4-Chlorotoluene	12.77	91	683662	51.716	ug/l	96
83) tert-Butylbenzene	12.99	119	710329	49.368	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	816656	50.350	ug/l	99
85) sec-Butylbenzene	13.17	105	893745	49.828	ug/l	97
86) p-Isopropyltoluene	13.29	119	784951	48.916	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	418674	50.508	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	401579	49.792	ug/l	98
89) n-Butylbenzene	13.61	91	633085	50.455	ug/l	98
90) Hexachloroethane	13.87	117	134962	54.183	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	411970	51.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36645	54.265	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	196557	49.109	ug/l	99
94) Hexachlorobutadiene	15.01	225	114231	50.838	ug/l	99
95) Naphthalene	15.13	128	438634	49.132	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	194333	48.784	ug/l	99

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

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