

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054659.D
 Acq On : 25 Mar 2019 9:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:32:42 PM

Quant Time: Mar 26 01:42:57 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	7.66	168	430448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	673825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	267478	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	214805	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.09	98	808336	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	279349	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	224780	54.625	ug/l	99
3) Chloromethane	2.06	50	292606	52.263	ug/l	97
4) Vinyl Chloride	2.19	62	272843	48.539	ug/l	98
5) Bromomethane	2.57	94	156763	43.129	ug/l	98
6) Chloroethane	2.71	64	156574	46.440	ug/l	99
7) Trichlorofluoromethane	3.02	101	349550	51.205	ug/l	100
8) Diethyl Ether	3.41	74	113092	43.076	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	189867	47.326	ug/l	93
10) Methyl Iodide	3.94	142	266579	45.171	ug/l #	89
11) Tert butyl alcohol	4.81	59	72817	224.641	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	182835	44.037	ug/l #	76
13) Acrolein	3.61	56	58798	131.443	ug/l	99
14) Allyl chloride	4.32	41	421853	53.958	ug/l #	92
15) Acrylonitrile	4.99	53	417538	258.661	ug/l	100
16) Acetone	3.82	43	526842	327.290	ug/l #	82
17) Carbon Disulfide	4.04	76	530184	47.659	ug/l	100
18) Methyl Acetate	4.33	43	185255	51.634	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	614137	50.685	ug/l	97
20) Methylene Chloride	4.55	84	237337	50.017	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	219781	51.841	ug/l #	84
22) Diisopropyl ether	5.96	45	859458	55.732	ug/l #	94
23) Vinyl Acetate	5.90	43	2985589	274.122	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	450374	54.241	ug/l	98
25) 2-Butanone	6.84	43	634580	307.745	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	329235	55.624	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	256997	50.823	ug/l	88
28) Bromochloromethane	7.19	49	223540	54.695	ug/l #	71
29) Tetrahydrofuran	7.22	42	344162	257.197	ug/l #	84
30) Chloroform	7.37	83	433747	53.528	ug/l	98
31) Cyclohexane	7.65	56	427504	53.876	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	361664	54.099	ug/l	95
36) 1,1-Dichloropropene	7.79	75	334731	53.129	ug/l	95
37) Ethyl Acetate	6.93	43	235000	52.444	ug/l #	93
38) Carbon Tetrachloride	7.77	117	315384	51.512	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	378918	52.577	ug/l	89
40) Benzene	8.04	78	960404	53.308	ug/l	100
41) Methacrylonitrile	7.17	41	134639	49.269	ug/l	87
42) 1,2-Dichloroethane	8.12	62	344070	52.441	ug/l	97
43) Isopropyl Acetate	8.17	43	398650	52.677	ug/l #	93
44) Trichloroethene	8.83	130	256168	51.143	ug/l	93
45) 1,2-Dichloropropane	9.12	63	270676	55.951	ug/l	99
46) Dibromomethane	9.21	93	151342	52.439	ug/l	89
47) Bromodichloromethane	9.40	83	328373	54.824	ug/l	97
48) Methyl methacrylate	9.20	41	209133	50.915	ug/l	88
49) 1,4-Dioxane	9.20	88	42982	936.028	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1131912	269.883	ug/l	93
52) Toluene	10.15	92	583231	52.635	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	312990	49.557	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	385624	56.151	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	209545	52.608	ug/l	97
56) Ethyl methacrylate	10.43	69	278664	52.124	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	370609	53.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	505909	229.810	ug/l	89
59) 2-Hexanone	10.75	43	807081	294.605	ug/l	91
60) Dibromochloromethane	10.90	129	228697	53.958	ug/l	100
61) 1,2-Dibromoethane	11.00	107	204537	51.942	ug/l	100
64) Tetrachloroethene	10.63	164	253763	51.003	ug/l	95
65) Chlorobenzene	11.43	112	619120	50.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232837	53.172	ug/l	100
67) Ethyl Benzene	11.51	91	1130842	52.474	ug/l	98
68) m/p-Xylenes	11.62	106	844889	103.505	ug/l	95
69) o-Xylene	11.95	106	414620	52.011	ug/l	97
70) Styrene	11.96	104	695170	53.699	ug/l	97
71) Bromoform	12.13	173	139143	46.263	ug/l #	99
73) Isopropylbenzene	12.25	105	1081704	49.362	ug/l	99
74) N-amyl acetate	12.07	43	337730	53.600	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	246964	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224167m	51.947	ug/l	
77) Bromobenzene	12.53	156	267980	49.307	ug/l	86
78) n-propylbenzene	12.59	91	1241235	52.235	ug/l	96
79) 2-Chlorotoluene	12.67	91	744131	50.218	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	912359	50.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60062	48.110	ug/l	85
82) 4-Chlorotoluene	12.77	91	750742	52.268	ug/l	96
83) tert-Butylbenzene	12.99	119	770982	49.316	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	894059	50.733	ug/l	98
85) sec-Butylbenzene	13.17	105	997465	51.182	ug/l	97
86) p-Isopropyltoluene	13.29	119	899362	51.583	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	465618	51.698	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	449875	51.338	ug/l	97
89) n-Butylbenzene	13.61	91	759036	55.675	ug/l	98
90) Hexachloroethane	13.87	117	145103	53.615	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	450212	51.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37495	51.102	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	232906	53.557	ug/l	99
94) Hexachlorobutadiene	15.01	225	144584	59.653	ug/l	98
95) Naphthalene	15.13	128	470195	48.473	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	220237	50.884	ug/l	98

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

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