

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
 Data File : VN058642.D
 Acq On : 9 Oct 2019 15:44
 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
 10/10/2019 3:20:21 PM

Quant Time: Oct 10 04:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	444462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	713707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	672592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	265425	40.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.74%	
35) Dibromofluoromethane	7.57	113	197688	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
50) Toluene-d8	10.08	98	759066	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
62) 4-Bromofluorobenzene	12.41	95	294397	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203698	41.797	ug/l	98
3) Chloromethane	2.04	50	257831	48.122	ug/l	99
4) Vinyl Chloride	2.17	62	258250	49.204	ug/l	99
5) Bromomethane	2.51	94	134519	48.252	ug/l	96
6) Chloroethane	2.66	64	163371	51.949	ug/l	98
7) Trichlorofluoromethane	2.99	101	323543	51.082	ug/l	99
8) Diethyl Ether	3.38	74	121591	44.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	190404	44.264	ug/l	98
10) Methyl Iodide	3.92	142	203194	42.601	ug/l	99
11) Tert butyl alcohol	4.76	59	182776	253.309	ug/l	99
12) 1,1-Dichloroethene	3.71	96	173579	41.399	ug/l	97
13) Acrolein	3.58	56	52053	226.814	ug/l	99
14) Allyl chloride	4.29	41	350791	45.974	ug/l	95
15) Acrylonitrile	4.96	53	503214	239.293	ug/l	100
16) Acetone	3.79	43	570458	257.646	ug/l	98
17) Carbon Disulfide	4.02	76	479253	43.362	ug/l	99
18) Methyl Acetate	4.29	43	261462	46.952	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	671038	45.359	ug/l	97
20) Methylene Chloride	4.52	84	222312	43.509	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	196618	42.170	ug/l	99
22) Diisopropyl ether	5.92	45	759510	46.256	ug/l	99
23) Vinyl Acetate	5.87	43	3014364	243.473	ug/l	99
24) 1,1-Dichloroethane	5.82	63	417941	45.227	ug/l	100
25) 2-Butanone	6.81	43	723078	237.862	ug/l	99
26) 2,2-Dichloropropane	6.80	77	372819	49.074	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	238246	43.720	ug/l	100
28) Bromochloromethane	7.17	49	168450	45.603	ug/l	98
29) Tetrahydrofuran	7.19	42	435742	225.843	ug/l	99
30) Chloroform	7.35	83	419507	44.799	ug/l	99
31) Cyclohexane	7.63	56	357960	39.822	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	358443	46.613	ug/l	98
36) 1,1-Dichloropropene	7.77	75	302553	44.334	ug/l	99
37) Ethyl Acetate	6.90	43	283018	48.915	ug/l	99
38) Carbon Tetrachloride	7.75	117	310072	50.336	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	342129	42.930	ug/l	98
40) Benzene	8.02	78	907637	46.269	ug/l	98
41) Methacrylonitrile	7.16	41	153165m	57.541	ug/l	
42) 1,2-Dichloroethane	8.11	62	350539	45.931	ug/l	100
43) Isopropyl Acetate	8.15	43	492902	45.302	ug/l	99
44) Trichloroethene	8.82	130	226198	46.699	ug/l	96
45) 1,2-Dichloropropane	9.11	63	251592	47.822	ug/l	99
46) Dibromomethane	9.20	93	156669	47.023	ug/l	99
47) Bromodichloromethane	9.39	83	328615	52.057	ug/l	99
48) Methyl methacrylate	9.19	41	226862	45.791	ug/l	97
49) 1,4-Dioxane	9.19	88	82267	1241.849	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1472161	263.411	ug/l	99
52) Toluene	10.15	92	570780	46.227	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	374396	54.491	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	401168	52.599	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	224174	49.862	ug/l	98
56) Ethyl methacrylate	10.43	69	341619	50.076	ug/l	96
57) 1,3-Dichloropropane	10.71	76	397793	49.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	803430	295.350	ug/l	100
59) 2-Hexanone	10.75	43	1091113	268.119	ug/l	99
60) Dibromochloromethane	10.90	129	246196	52.913	ug/l	99
61) 1,2-Dibromoethane	11.00	107	224379	48.843	ug/l	98
64) Tetrachloroethene	10.63	164	204383	47.829	ug/l	99
65) Chlorobenzene	11.43	112	614955	45.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	235779	52.343	ug/l	99
67) Ethyl Benzene	11.51	91	1137385	46.968	ug/l	100
68) m/p-Xylenes	11.62	106	842847	92.508	ug/l	99
69) o-Xylene	11.95	106	406688	46.369	ug/l	100
70) Styrene	11.97	104	680565	47.764	ug/l	99
71) Bromoform	12.13	173	167370	53.714	ug/l #	99
73) Isopropylbenzene	12.25	105	1113966	46.951	ug/l	100
74) N-amyl acetate	12.07	43	440972	46.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	332452	47.386	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	299139m	51.013	ug/l	
77) Bromobenzene	12.53	156	264670	47.575	ug/l	99
78) n-propylbenzene	12.60	91	1313776	49.150	ug/l	99
79) 2-Chlorotoluene	12.68	91	786023	47.641	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	960229	48.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107792	55.829	ug/l	95
82) 4-Chlorotoluene	12.78	91	803563	47.731	ug/l	100
83) tert-Butylbenzene	13.00	119	800165	47.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	967829	48.637	ug/l	98
85) sec-Butylbenzene	13.18	105	1083710	49.129	ug/l	99
86) p-Isopropyltoluene	13.29	119	988062	50.887	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	488080	48.384	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	474755	47.303	ug/l	99
89) n-Butylbenzene	13.62	91	873232	49.648	ug/l	100
90) Hexachloroethane	13.88	117	168647	57.809	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	474549	48.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	63626	51.427	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	266716	49.797	ug/l	99
94) Hexachlorobutadiene	15.02	225	136704	49.657	ug/l	99
95) Naphthalene	15.13	128	714183	45.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	256316	47.732	ug/l	98

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

