

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055145.D
 Acq On : 19 Apr 2019 17:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:07:23 AM

Quant Time: Apr 20 04:41:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	443060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	697787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	607954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	288498	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	7.59	113	231695	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.09	98	840312	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.40	95	287462	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	228737	45.428	ug/l	100
3) Chloromethane	2.06	50	284372	43.301	ug/l	99
4) Vinyl Chloride	2.18	62	234414	42.466	ug/l	97
5) Bromomethane	2.55	94	128193	41.051	ug/l	97
6) Chloroethane	2.69	64	126446	42.477	ug/l	94
7) Trichlorofluoromethane	3.01	101	351484	50.914	ug/l	97
8) Diethyl Ether	3.41	74	136919	62.133	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	222735	61.652	ug/l	99
10) Methyl Iodide	3.95	142	310661	55.412	ug/l	93
11) Tert butyl alcohol	4.79	59	116875	362.047	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	208206	59.207	ug/l	90
13) Acrolein	3.61	56	83265	208.674	ug/l	96
14) Allyl chloride	4.32	41	440093	51.127	ug/l	99
15) Acrylonitrile	4.99	53	547897	283.676	ug/l	99
16) Acetone	3.82	43	570141	356.677	ug/l	93
17) Carbon Disulfide	4.05	76	496153	43.707	ug/l	100
18) Methyl Acetate	4.33	43	273760	59.505	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	674241	53.598	ug/l	100
20) Methylene Chloride	4.55	84	254653	45.318	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	222611	46.805	ug/l	95
22) Diisopropyl ether	5.95	45	921832	52.095	ug/l	96
23) Vinyl Acetate	5.90	43	3356222	286.947	ug/l	100
24) 1,1-Dichloroethane	5.85	63	466924	49.551	ug/l	99
25) 2-Butanone	6.84	43	752218	315.301	ug/l	99
26) 2,2-Dichloropropane	6.82	77	337285	56.711	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	268436	49.887	ug/l	99
28) Bromochloromethane	7.20	49	230455	50.734	ug/l #	99
29) Tetrahydrofuran	7.21	42	459128	293.471	ug/l	99
30) Chloroform	7.37	83	449760	49.137	ug/l	97
31) Cyclohexane	7.65	56	410444	49.248	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	368507	50.816	ug/l	99
36) 1,1-Dichloropropene	7.79	75	326840	49.687	ug/l	99
37) Ethyl Acetate	6.93	43	293433	54.794	ug/l	100
38) Carbon Tetrachloride	7.78	117	307501	49.135	ug/l	97

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39) Methylcyclohexane	9.08	83	345778	48.510	ug/l	99
40) Benzene	8.04	78	985148	49.692	ug/l	99
41) Methacrylonitrile	7.18	41	144355	48.561	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	349037	50.709	ug/l	99
43) Isopropyl Acetate	8.17	43	494583	59.937	ug/l #	88
44) Trichloroethene	8.84	130	252827	50.915	ug/l	98
45) 1,2-Dichloropropane	9.12	63	287821	52.057	ug/l	98
46) Dibromomethane	9.21	93	164463	52.260	ug/l	100
47) Bromodichloromethane	9.40	83	345402	53.235	ug/l	99
48) Methyl methacrylate	9.20	41	244756	59.843	ug/l	99
49) 1,4-Dioxane	9.20	88	59205	1545.084	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1472453	308.873	ug/l	99
52) Toluene	10.16	92	587298	51.723	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	341676	60.258	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	401112	56.997	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	227357	51.971	ug/l	97
56) Ethyl methacrylate	10.43	69	323003	61.523	ug/l	98
57) 1,3-Dichloropropane	10.71	76	399142	53.589	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	514111	224.107	ug/l	99
59) 2-Hexanone	10.75	43	965788	322.549	ug/l	100
60) Dibromochloromethane	10.90	129	243972	57.112	ug/l	98
61) 1,2-Dibromoethane	11.01	107	221955	55.123	ug/l	99
64) Tetrachloroethene	10.63	164	232984	47.128	ug/l	98
65) Chlorobenzene	11.43	112	613464	50.129	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	237070	52.671	ug/l	99
67) Ethyl Benzene	11.51	91	1123592	51.413	ug/l	100
68) m/p-Xylenes	11.62	106	823163	104.018	ug/l	100
69) o-Xylene	11.95	106	404370	52.756	ug/l	99
70) Styrene	11.96	104	676629	54.536	ug/l	99
71) Bromoform	12.13	173	157315	60.978	ug/l #	100
73) Isopropylbenzene	12.25	105	1074179	46.477	ug/l	99
74) N-amyl acetate	12.07	43	383967	59.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	297154	48.050	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	245217m	52.357	ug/l	
77) Bromobenzene	12.53	156	264378	45.884	ug/l	98
78) n-propylbenzene	12.59	91	1197093	47.940	ug/l	100
79) 2-Chlorotoluene	12.67	91	731927	46.993	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	878897	47.123	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	73575	62.818	ug/l	91
82) 4-Chlorotoluene	12.77	91	718797	49.466	ug/l	100
83) tert-Butylbenzene	12.99	119	743470	47.200	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	862067	48.772	ug/l	100
85) sec-Butylbenzene	13.17	105	958587	47.760	ug/l	100
86) p-Isopropyltoluene	13.29	119	849538	49.336	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	443396	50.628	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	426241	51.037	ug/l	99
89) n-Butylbenzene	13.62	91	692862	54.202	ug/l	99
90) Hexachloroethane	13.87	117	141143	50.375	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	430057	48.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44056	57.851	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194708	48.812	ug/l	98
94) Hexachlorobutadiene	15.01	225	142249	52.265	ug/l	98
95) Naphthalene	15.13	128	441769	47.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	194547	57.230	ug/l	99

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

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