

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056181.D
 Acq On : 10 Jun 2019 19:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:54 AM

Quant Time: Jun 11 04:31:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	281333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	409519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	368025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165908	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	142017	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.68%		
35) Dibromofluoromethane	7.59	113	128959	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.66%		
50) Toluene-d8	10.09	98	475898	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.44%		
62) 4-Bromofluorobenzene	12.40	95	162650	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	145997	47.257	ug/l	100
3) Chloromethane	2.06	50	150953	49.498	ug/l	99
4) Vinyl Chloride	2.18	62	153531	50.188	ug/l	99
5) Bromomethane	2.53	94	94787	49.051	ug/l	97
6) Chloroethane	2.68	64	86887	48.988	ug/l	100
7) Trichlorofluoromethane	3.00	101	195256	49.998	ug/l	99
8) Diethyl Ether	3.40	74	76956	47.918	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	120869	50.951	ug/l	99
10) Methyl Iodide	3.94	142	176326	46.772	ug/l	99
11) Tert butyl alcohol	4.81	59	119062	244.927	ug/l	99
12) 1,1-Dichloroethene	3.72	96	120171	50.882	ug/l	96
13) Acrolein	3.60	56	42003	299.597	ug/l	100
14) Allyl chloride	4.31	41	192325	51.571	ug/l	99
15) Acrylonitrile	4.99	53	345699	292.140	ug/l	100
16) Acetone	3.82	43	294230	220.233	ug/l	100
17) Carbon Disulfide	4.04	76	269565	47.670	ug/l	99
18) Methyl Acetate	4.33	43	157729	60.222	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	392621	52.154	ug/l	99
20) Methylene Chloride	4.54	84	142018	51.597	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	126462	49.975	ug/l	97
22) Diisopropyl ether	5.96	45	404529	52.474	ug/l	99
23) Vinyl Acetate	5.90	43	1663951	274.086	ug/l	100
24) 1,1-Dichloroethane	5.84	63	234245	52.676	ug/l	100
25) 2-Butanone	6.84	43	456412	270.388	ug/l	99
26) 2,2-Dichloropropane	6.82	77	153735	44.304	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	152591	51.299	ug/l	98
28) Bromochloromethane	7.19	49	111732	53.131	ug/l	98
29) Tetrahydrofuran	7.22	42	297966	285.569	ug/l	99
30) Chloroform	7.37	83	239808	53.607	ug/l	100
31) Cyclohexane	7.65	56	205970	46.468	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	197728	52.931	ug/l	99
36) 1,1-Dichloropropene	7.79	75	172331	48.940	ug/l	100
37) Ethyl Acetate	6.93	43	179248	57.211	ug/l	100
38) Carbon Tetrachloride	7.77	117	169351	52.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203678	46.433	ug/l	99
40) Benzene	8.04	78	547912	51.231	ug/l	100
41) Methacrylonitrile	7.17	41	76245	52.892	ug/l	88
42) 1,2-Dichloroethane	8.12	62	174857	50.828	ug/l	100
43) Isopropyl Acetate	8.17	43	275845	54.331	ug/l #	93
44) Trichloroethene	8.83	130	154911	50.407	ug/l	99
45) 1,2-Dichloropropane	9.12	63	144814	52.863	ug/l	99
46) Dibromomethane	9.21	93	96264	53.737	ug/l	99
47) Bromodichloromethane	9.40	83	180469	55.585	ug/l	100
48) Methyl methacrylate	9.20	41	137553	55.379	ug/l	96
49) 1,4-Dioxane	9.21	88	58232	1085.942	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	898080	282.864	ug/l	100
52) Toluene	10.16	92	342654	51.488	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	179538	47.302	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	211093	54.090	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	138290	52.459	ug/l	98
56) Ethyl methacrylate	10.43	69	207649	53.992	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229604	53.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	365509	240.316	ug/l	99
59) 2-Hexanone	10.75	43	625718	271.917	ug/l	99
60) Dibromochloromethane	10.90	129	151644	52.051	ug/l	100
61) 1,2-Dibromoethane	11.01	107	147429	54.705	ug/l	98
64) Tetrachloroethene	10.63	164	154928	48.633	ug/l	100
65) Chlorobenzene	11.43	112	369689	50.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	138296	54.683	ug/l	98
67) Ethyl Benzene	11.51	91	640810	50.315	ug/l	99
68) m/p-Xylenes	11.62	106	492106	101.146	ug/l	99
69) o-Xylene	11.95	106	240390	50.230	ug/l	100
70) Styrene	11.96	104	406973	53.521	ug/l	99
71) Bromoform	12.13	173	109805	51.621	ug/l #	100
73) Isopropylbenzene	12.25	105	629996	53.439	ug/l	99
74) N-amyl acetate	12.07	43	226413	51.195	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	197159	51.191	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	160732m	52.651	ug/l	
77) Bromobenzene	12.53	156	173263	48.778	ug/l	96
78) n-propylbenzene	12.59	91	675489	48.126	ug/l	99
79) 2-Chlorotoluene	12.67	91	413291	53.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	519345	46.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47296	51.594	ug/l	89
82) 4-Chlorotoluene	12.77	91	400231	48.740	ug/l	100
83) tert-Butylbenzene	12.99	119	458299	53.122	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	514816	48.667	ug/l	100
85) sec-Butylbenzene	13.17	105	591518	47.588	ug/l	100
86) p-Isopropyltoluene	13.29	119	533021	47.915	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275962	50.197	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263249	49.779	ug/l	100
89) n-Butylbenzene	13.61	91	396310	48.092	ug/l	99
90) Hexachloroethane	13.87	117	87431	52.115	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	275037	49.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32512	59.019	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132861	43.999	ug/l	99
94) Hexachlorobutadiene	15.01	225	100309	52.810	ug/l	99
95) Naphthalene	15.13	128	365447	46.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	148969	47.925	ug/l	99

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

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