

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055190.D
 Acq On : 22 Apr 2019 19:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:38 PM

Quant Time: Apr 23 06:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	417101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	677931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	247691	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	288500	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	7.59	113	227948	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.09	98	849413	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	278471	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	287464	53.528	ug/l	98
3) Chloromethane	2.06	50	339349	51.568	ug/l	99
4) Vinyl Chloride	2.19	62	267917	50.809	ug/l	99
5) Bromomethane	2.55	94	140469	45.935	ug/l	98
6) Chloroethane	2.70	64	140513	50.559	ug/l	92
7) Trichlorofluoromethane	3.02	101	361451	50.371	ug/l	97
8) Diethyl Ether	3.41	74	135204	52.789	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	216306	48.307	ug/l	100
10) Methyl Iodide	3.95	142	336045	53.517	ug/l	99
11) Tert butyl alcohol	4.79	59	94639	287.136	ug/l	98
12) 1,1-Dichloroethene	3.74	96	217394	50.660	ug/l	98
13) Acrolein	3.61	56	142810	287.558	ug/l	99
14) Allyl chloride	4.33	41	437145	51.530	ug/l	99
15) Acrylonitrile	4.99	53	495206	273.958	ug/l	99
16) Acetone	3.82	43	384412	205.973	ug/l	98
17) Carbon Disulfide	4.06	76	612065	51.018	ug/l	100
18) Methyl Acetate	4.33	43	221111	55.253	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	637791	53.756	ug/l	98
20) Methylene Chloride	4.55	84	255026	47.532	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	230397	51.200	ug/l	98
22) Diisopropyl ether	5.95	45	882353	52.180	ug/l	99
23) Vinyl Acetate	5.90	43	3257263	286.646	ug/l	99
24) 1,1-Dichloroethane	5.85	63	456905	50.234	ug/l	99
25) 2-Butanone	6.84	43	606320	251.639	ug/l	99
26) 2,2-Dichloropropane	6.83	77	288001	46.791	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	261930	50.495	ug/l	99
28) Bromochloromethane	7.19	49	234839	50.650	ug/l	100
29) Tetrahydrofuran	7.21	42	412164	278.215	ug/l	100
30) Chloroform	7.37	83	429509	49.643	ug/l	98
31) Cyclohexane	7.65	56	437660	51.434	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	360078	51.804	ug/l	100
36) 1,1-Dichloropropene	7.79	75	326949	51.961	ug/l	99
37) Ethyl Acetate	6.93	43	267703	52.718	ug/l	99
38) Carbon Tetrachloride	7.78	117	306852	52.077	ug/l	96

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39) Methylcyclohexane	9.08	83	360304	47.999	ug/l	99
40) Benzene	8.04	78	989241	50.930	ug/l	99
41) Methacrylonitrile	7.17	41	111625	41.928	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	340733	50.283	ug/l	100
43) Isopropyl Acetate	8.17	43	468424	56.965	ug/l	99
44) Trichloroethene	8.83	130	245656	50.038	ug/l	100
45) 1,2-Dichloropropane	9.12	63	278167	50.734	ug/l	98
46) Dibromomethane	9.21	93	157904	50.309	ug/l	99
47) Bromodichloromethane	9.40	83	327265	52.085	ug/l	99
48) Methyl methacrylate	9.20	41	215588	54.048	ug/l	97
49) 1,4-Dioxane	9.20	88	47963	1041.230	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1292329	273.116	ug/l	99
52) Toluene	10.16	92	579002	50.848	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	321898	55.824	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	378679	52.920	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	217697	51.857	ug/l	98
56) Ethyl methacrylate	10.43	69	297822	56.949	ug/l	99
57) 1,3-Dichloropropane	10.71	76	381821	52.276	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	490374	243.650	ug/l	99
59) 2-Hexanone	10.75	43	814947	272.665	ug/l	99
60) Dibromochloromethane	10.90	129	229071	52.976	ug/l	99
61) 1,2-Dibromoethane	11.00	107	212346	53.800	ug/l	99
64) Tetrachloroethene	10.63	164	231307	48.282	ug/l	99
65) Chlorobenzene	11.43	112	581129	48.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	226321	50.943	ug/l	99
67) Ethyl Benzene	11.51	91	1080890	50.622	ug/l	99
68) m/p-Xylenes	11.62	106	793116	103.565	ug/l	98
69) o-Xylene	11.95	106	386130	50.807	ug/l	99
70) Styrene	11.96	104	641986	54.496	ug/l	99
71) Bromoform	12.13	173	145921	55.041	ug/l #	98
73) Isopropylbenzene	12.25	105	1026118	51.631	ug/l	100
74) N-amyl acetate	12.07	43	349647	54.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	274333	54.696	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	217869m	43.357	ug/l	
77) Bromobenzene	12.53	156	249559	45.639	ug/l	100
78) n-propylbenzene	12.59	91	1133789	45.643	ug/l	100
79) 2-Chlorotoluene	12.67	91	699076	44.569	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	849617	45.821	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65456	49.380	ug/l	95
82) 4-Chlorotoluene	12.77	91	674791	46.758	ug/l	100
83) tert-Butylbenzene	12.99	119	717801	51.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	827131	47.270	ug/l	99
85) sec-Butylbenzene	13.17	105	921527	43.930	ug/l	100
86) p-Isopropyltoluene	13.29	119	803805	46.511	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	403766	48.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	393563	48.157	ug/l	98
89) n-Butylbenzene	13.61	91	638133	49.816	ug/l	98
90) Hexachloroethane	13.87	117	137251	44.780	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	404080	46.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38677	51.423	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167316	46.157	ug/l	99
94) Hexachlorobutadiene	15.01	225	126524	50.433	ug/l	100
95) Naphthalene	15.13	128	367317	46.393	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	172879	47.883	ug/l	100

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

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