

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058792.D
 Acq On : 16 Oct 2019 10:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:24 AM

Quant Time: Oct 17 07:57:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	426999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	682568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	301326	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.57	113	215754	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.08	98	851595	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	317768	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	268835	50.552	ug/l	100
3) Chloromethane	2.04	50	313005	49.496	ug/l	99
4) Vinyl Chloride	2.17	62	322846	51.259	ug/l	99
5) Bromomethane	2.54	94	197906	51.653	ug/l	99
6) Chloroethane	2.68	64	197818	50.920	ug/l	98
7) Trichlorofluoromethane	3.00	101	386516	51.277	ug/l	99
8) Diethyl Ether	3.39	74	142120	51.029	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	218692	50.883	ug/l	98
10) Methyl Iodide	3.93	142	294715	50.249	ug/l	99
11) Tert butyl alcohol	4.75	59	264035	272.726	ug/l	100
12) 1,1-Dichloroethene	3.72	96	207845	50.685	ug/l	97
13) Acrolein	3.58	56	163693	210.234	ug/l	99
14) Allyl chloride	4.30	41	431001	52.082	ug/l	98
15) Acrylonitrile	4.96	53	668156	273.668	ug/l	99
16) Acetone	3.79	43	725996	293.353	ug/l	98
17) Carbon Disulfide	4.03	76	622382	47.481	ug/l	100
18) Methyl Acetate	4.30	43	339001	54.002	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	770313	52.606	ug/l	96
20) Methylene Chloride	4.53	84	248078	47.963	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	229234	49.975	ug/l	98
22) Diisopropyl ether	5.93	45	860755	53.495	ug/l	97
23) Vinyl Acetate	5.87	43	3683397	283.702	ug/l	99
24) 1,1-Dichloroethane	5.82	63	472028	51.509	ug/l	99
25) 2-Butanone	6.81	43	992953	277.586	ug/l	99
26) 2,2-Dichloropropane	6.80	77	417878	49.954	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263940	49.344	ug/l	99
28) Bromochloromethane	7.17	49	165150	51.802	ug/l	97
29) Tetrahydrofuran	7.19	42	627488	271.448	ug/l	100
30) Chloroform	7.35	83	468824	50.920	ug/l	100
31) Cyclohexane	7.63	56	431551	49.217	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	406234	51.736	ug/l	100
36) 1,1-Dichloropropene	7.77	75	349814	50.689	ug/l	99
37) Ethyl Acetate	6.91	43	391974	56.161	ug/l	98
38) Carbon Tetrachloride	7.76	117	353439	52.548	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	408284	50.984	ug/l	99
40) Benzene	8.02	78	1026920	51.812	ug/l	99
41) Methacrylonitrile	7.16	41	174024m	53.265	ug/l	
42) 1,2-Dichloroethane	8.11	62	393781	51.713	ug/l	99
43) Isopropyl Acetate	8.15	43	631575	53.119	ug/l	99
44) Trichloroethene	8.82	130	247093	50.202	ug/l	97
45) 1,2-Dichloropropane	9.11	63	280819	52.925	ug/l	100
46) Dibromomethane	9.20	93	179035	53.221	ug/l	99
47) Bromodichloromethane	9.39	83	369554	53.947	ug/l	99
48) Methyl methacrylate	9.19	41	290420	53.886	ug/l	99
49) 1,4-Dioxane	9.19	88	95498	1145.349	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1971342	295.223	ug/l	99
52) Toluene	10.15	92	628989	51.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	422791	53.812	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	453039	54.308	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248611	50.106	ug/l	99
56) Ethyl methacrylate	10.43	69	406376	56.063	ug/l	99
57) 1,3-Dichloropropane	10.70	76	441046	52.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	951263	272.314	ug/l	99
59) 2-Hexanone	10.75	43	1512191	293.039	ug/l	100
60) Dibromochloromethane	10.90	129	276871	54.094	ug/l	100
61) 1,2-Dibromoethane	11.00	107	261320	52.571	ug/l	100
64) Tetrachloroethene	10.63	164	220056	49.339	ug/l	95
65) Chlorobenzene	11.43	112	668451	51.648	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	250333	52.308	ug/l	99
67) Ethyl Benzene	11.51	91	1241964	53.833	ug/l	99
68) m/p-Xylenes	11.62	106	914457	105.622	ug/l	99
69) o-Xylene	11.95	106	435257	51.961	ug/l	100
70) Styrene	11.97	104	732687	53.367	ug/l	99
71) Bromoform	12.13	173	198712	56.647	ug/l	99
73) Isopropylbenzene	12.25	105	1206072	53.980	ug/l	99
74) N-amyl acetate	12.07	43	567101	56.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	388060	52.723	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	347591m	51.359	ug/l	
77) Bromobenzene	12.53	156	280500	51.614	ug/l	98
78) n-propylbenzene	12.59	91	1432546	55.023	ug/l	100
79) 2-Chlorotoluene	12.68	91	841497	52.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1029678	53.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	141817	56.130	ug/l	99
82) 4-Chlorotoluene	12.78	91	881666	53.170	ug/l	100
83) tert-Butylbenzene	13.00	119	873027	53.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035558	54.686	ug/l	99
85) sec-Butylbenzene	13.18	105	1191191	55.322	ug/l	99
86) p-Isopropyltoluene	13.29	119	1074912	54.927	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	518686	51.753	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	512657	50.310	ug/l	99
89) n-Butylbenzene	13.62	91	980665	54.195	ug/l	100
90) Hexachloroethane	13.88	117	193923	55.381	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	509013	52.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86094	50.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	306116	51.373	ug/l	100
94) Hexachlorobutadiene	15.02	225	156690	49.934	ug/l	98
95) Naphthalene	15.13	128	898123	52.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292512	50.280	ug/l	98

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

