

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053468.D
 Acq On : 18 Jan 2019 13:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:48:06 AM

Quant Time: Jan 19 00:33:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	856717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1249252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1146703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	417220	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.59	113	367936	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	1543832	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	550935	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	338680	49.169	ug/l	100
3) Chloromethane	2.06	50	451227	45.818	ug/l	100
4) Vinyl Chloride	2.19	62	449128	47.311	ug/l	98
5) Bromomethane	2.57	94	304197	46.701	ug/l	99
6) Chloroethane	2.71	64	271791	47.354	ug/l	98
7) Trichlorofluoromethane	3.02	101	620210	49.948	ug/l	100
8) Diethyl Ether	3.41	74	236535	50.719	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	406628	51.708	ug/l	100
10) Methyl Iodide	3.96	142	579675	48.237	ug/l	100
11) Tert butyl alcohol	4.77	59	108312	261.404	ug/l	99
12) 1,1-Dichloroethene	3.74	96	372155	48.791	ug/l	97
13) Acrolein	3.61	56	178024	222.896	ug/l	99
14) Allyl chloride	4.33	41	585269	47.239	ug/l	95
15) Acrylonitrile	4.99	53	716028	262.583	ug/l	99
16) Acetone	3.81	43	548554	276.113	ug/l	99
17) Carbon Disulfide	4.06	76	1088406	47.187	ug/l	100
18) Methyl Acetate	4.33	43	340410	50.857	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1043207	51.474	ug/l	100
20) Methylene Chloride	4.55	84	437017	48.181	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	408923	50.146	ug/l	97
22) Diisopropyl ether	5.95	45	1319797	51.028	ug/l	100
23) Vinyl Acetate	5.90	43	4120408	259.160	ug/l	99
24) 1,1-Dichloroethane	5.85	63	762164	49.847	ug/l	100
25) 2-Butanone	6.83	43	822497	268.655	ug/l	100
26) 2,2-Dichloropropane	6.83	77	590256	51.130	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	470134	50.417	ug/l	99
28) Bromochloromethane	7.20	49	340180	50.503	ug/l	99
29) Tetrahydrofuran	7.21	42	522476	262.147	ug/l	99
30) Chloroform	7.37	83	756709	50.796	ug/l	100
31) Cyclohexane	7.66	56	717825	48.233	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	640434	50.679	ug/l	99
36) 1,1-Dichloropropene	7.80	75	597039	52.477	ug/l	99
37) Ethyl Acetate	6.93	43	354437	54.149	ug/l	100
38) Carbon Tetrachloride	7.78	117	559792	51.972	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	746292	53.072	ug/l	99
40) Benzene	8.04	78	1782237	51.550	ug/l	100
41) Methacrylonitrile	7.17	41	184720	47.526	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	524063	52.031	ug/l	100
43) Isopropyl Acetate	8.16	43	636972	54.120	ug/l	99
44) Trichloroethene	8.84	130	493785	51.502	ug/l	100
45) 1,2-Dichloropropane	9.12	63	466306	50.922	ug/l	99
46) Dibromomethane	9.21	93	272090	51.716	ug/l	99
47) Bromodichloromethane	9.40	83	578139	52.253	ug/l	100
48) Methyl methacrylate	9.20	41	320509	52.741	ug/l	98
49) 1,4-Dioxane	9.20	88	62215	1048.286	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1783673	277.614	ug/l	100
52) Toluene	10.16	92	1114409	51.921	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	602219	53.699	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	692925	52.708	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	393958	53.238	ug/l	99
56) Ethyl methacrylate	10.43	69	519917	49.528	ug/l	100
57) 1,3-Dichloropropane	10.71	76	670438	52.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1376256	265.847	ug/l	100
59) 2-Hexanone	10.75	43	1268434	281.231	ug/l	100
60) Dibromochloromethane	10.90	129	446529	53.202	ug/l	99
61) 1,2-Dibromoethane	11.01	107	399075	53.324	ug/l	99
64) Tetrachloroethene	10.63	164	556114	51.461	ug/l	99
65) Chlorobenzene	11.43	112	1260547	51.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	442457	52.400	ug/l	99
67) Ethyl Benzene	11.51	91	2177290	52.636	ug/l	100
68) m/p-Xylenes	11.62	106	1671635	107.035	ug/l	100
69) o-Xylene	11.95	106	807697	53.224	ug/l	99
70) Styrene	11.96	104	1339269	54.377	ug/l	100
71) Bromoform	12.13	173	318309	54.757	ug/l	98
73) Isopropylbenzene	12.25	105	2182628	51.623	ug/l	100
74) N-amyl acetate	12.07	43	595847	52.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	459132	51.778	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	402821m	52.944	ug/l	
77) Bromobenzene	12.53	156	563305	50.562	ug/l	99
78) n-propylbenzene	12.59	91	2548162	52.504	ug/l	99
79) 2-Chlorotoluene	12.68	91	1462245	50.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1785481	51.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141785	47.305	ug/l	99
82) 4-Chlorotoluene	12.77	91	1517100	51.714	ug/l	99
83) tert-Butylbenzene	12.99	119	1589677	52.321	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1800158	51.899	ug/l	99
85) sec-Butylbenzene	13.17	105	2206830	52.961	ug/l	100
86) p-Isopropyltoluene	13.29	119	1935389	53.493	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1020490	52.073	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1008242	51.289	ug/l	99
89) n-Butylbenzene	13.62	91	1670205	54.156	ug/l	100
90) Hexachloroethane	13.88	117	297429	52.417	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	948036	52.582	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61920	55.072	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	413307	51.847	ug/l	99
94) Hexachlorobutadiene	15.01	225	310506	55.208	ug/l	100
95) Naphthalene	15.13	128	684377	49.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	305562	52.299	ug/l	99

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

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