

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056101.D
 Acq On : 7 Jun 2019 16:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:26:45 AM

Quant Time: Jun 08 06:21:18 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	310193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	149991	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.59	113	135996	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	514812	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.40	95	181151	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	162812	47.792	ug/l	99
3) Chloromethane	2.06	50	166449	49.501	ug/l	98
4) Vinyl Chloride	2.18	62	167903	49.780	ug/l	99
5) Bromomethane	2.53	94	97876	45.937	ug/l	99
6) Chloroethane	2.68	64	93587	47.856	ug/l	99
7) Trichlorofluoromethane	3.00	101	209193	48.583	ug/l	100
8) Diethyl Ether	3.40	74	83718	47.279	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	137283	52.486	ug/l	98
10) Methyl Iodide	3.94	142	189134	45.502	ug/l	98
11) Tert butyl alcohol	4.82	59	122837	229.182	ug/l	98
12) 1,1-Dichloroethene	3.72	96	127932	49.128	ug/l	96
13) Acrolein	3.60	56	40182	259.942	ug/l	96
14) Allyl chloride	4.31	41	202881	49.340	ug/l	99
15) Acrylonitrile	4.99	53	355556	272.514	ug/l	99
16) Acetone	3.82	43	355951	241.643	ug/l	100
17) Carbon Disulfide	4.04	76	276193	44.297	ug/l	100
18) Methyl Acetate	4.32	43	158124	54.703	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	416267	50.150	ug/l	99
20) Methylene Chloride	4.54	84	149221	49.170	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	137104	49.139	ug/l	98
22) Diisopropyl ether	5.95	45	427878	50.339	ug/l	98
23) Vinyl Acetate	5.89	43	1746095	260.857	ug/l	100
24) 1,1-Dichloroethane	5.84	63	245726	50.117	ug/l	99
25) 2-Butanone	6.84	43	494176	265.522	ug/l	100
26) 2,2-Dichloropropane	6.82	77	182959	47.821	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	162616	49.583	ug/l	98
28) Bromochloromethane	7.19	49	113738	49.053	ug/l	99
29) Tetrahydrofuran	7.21	42	305688	265.712	ug/l	99
30) Chloroform	7.37	83	247881	50.257	ug/l	99
31) Cyclohexane	7.65	56	228599	46.775	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	202629	49.196	ug/l	100
36) 1,1-Dichloropropene	7.79	75	184948	48.991	ug/l	99
37) Ethyl Acetate	6.93	43	184327	54.876	ug/l	100
38) Carbon Tetrachloride	7.77	117	173148	49.748	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235673	50.114	ug/l	98
40) Benzene	8.04	78	584598	50.986	ug/l	100
41) Methacrylonitrile	7.17	41	92496	59.851	ug/l	99
42) 1,2-Dichloroethane	8.12	62	183389	49.723	ug/l	99
43) Isopropyl Acetate	8.17	43	288306	52.967	ug/l #	92
44) Trichloroethene	8.83	130	162723	49.389	ug/l	100
45) 1,2-Dichloropropane	9.12	63	154245	52.519	ug/l	100
46) Dibromomethane	9.21	93	98585	51.332	ug/l	99
47) Bromodichloromethane	9.40	83	177861	51.098	ug/l	100
48) Methyl methacrylate	9.20	41	143655	53.947	ug/l	96
49) 1,4-Dioxane	9.20	88	65362	1136.945	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	924567	271.625	ug/l	100
52) Toluene	10.15	92	369713	51.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	190634	46.871	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	221989	53.057	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	147740	52.275	ug/l	98
56) Ethyl methacrylate	10.43	69	223125	54.115	ug/l	98
57) 1,3-Dichloropropane	10.71	76	241743	52.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	410056	250.786	ug/l	100
59) 2-Hexanone	10.75	43	666344	270.100	ug/l	100
60) Dibromochloromethane	10.90	129	145270	46.771	ug/l	99
61) 1,2-Dibromoethane	11.00	107	153241	53.038	ug/l	98
64) Tetrachloroethene	10.63	164	165559	48.306	ug/l	98
65) Chlorobenzene	11.43	112	401233	50.918	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	140303	51.565	ug/l	99
67) Ethyl Benzene	11.51	91	692522	50.541	ug/l	98
68) m/p-Xylenes	11.62	106	536626	102.520	ug/l	99
69) o-Xylene	11.95	106	259580	50.415	ug/l	100
70) Styrene	11.96	104	438824	53.641	ug/l	99
71) Bromoform	12.13	173	102311	45.074	ug/l #	99
73) Isopropylbenzene	12.25	105	690222	52.994	ug/l	100
74) N-amyl acetate	12.07	43	243182	49.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	206393	48.524	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	166159m	49.285	ug/l	
77) Bromobenzene	12.53	156	185313	47.240	ug/l	96
78) n-propylbenzene	12.59	91	757380	48.861	ug/l	100
79) 2-Chlorotoluene	12.67	91	453258	52.851	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	577798	46.902	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51019	50.395	ug/l	91
82) 4-Chlorotoluene	12.77	91	448431	49.449	ug/l	100
83) tert-Butylbenzene	12.99	119	503771	52.861	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	571852	48.950	ug/l	100
85) sec-Butylbenzene	13.17	105	663639	48.345	ug/l	99
86) p-Isopropyltoluene	13.29	119	606368	49.357	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	307562	50.658	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	297588	50.954	ug/l	99
89) n-Butylbenzene	13.61	91	471607	51.820	ug/l	100
90) Hexachloroethane	13.87	117	88398	47.712	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	302110	49.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31206	51.295	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152251	45.494	ug/l	100
94) Hexachlorobutadiene	15.01	225	114488	54.651	ug/l	99
95) Naphthalene	15.13	128	394058	45.353	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	162325	47.327	ug/l	100

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

