

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055753.D
 Acq On : 23 May 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:28 AM

Quant Time: May 24 07:05:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	379707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	186515	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.59	113	168441	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	642257	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	225168	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	115796	45.313	ug/l	96
3) Chloromethane	2.06	50	161263	45.040	ug/l	99
4) Vinyl Chloride	2.18	62	173015	45.305	ug/l	100
5) Bromomethane	2.53	94	118942m	49.784	ug/l	
6) Chloroethane	2.68	64	107880	46.920	ug/l	99
7) Trichlorofluoromethane	3.00	101	236739	47.284	ug/l	100
8) Diethyl Ether	3.40	74	102861	45.838	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	152320	48.737	ug/l	100
10) Methyl Iodide	3.94	142	221968	48.578	ug/l	100
11) Tert butyl alcohol	4.81	59	178084	237.689	ug/l	99
12) 1,1-Dichloroethene	3.72	96	149741	46.370	ug/l	98
13) Acrolein	3.60	56	116455	217.072	ug/l	99
14) Allyl chloride	4.31	41	258171	46.635	ug/l	100
15) Acrylonitrile	4.99	53	399479	232.197	ug/l	99
16) Acetone	3.82	43	409413	237.517	ug/l	98
17) Carbon Disulfide	4.04	76	415148	45.248	ug/l	99
18) Methyl Acetate	4.32	43	165522	47.163	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	498709	46.304	ug/l	100
20) Methylene Chloride	4.54	84	169472	45.398	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	161626	46.587	ug/l	99
22) Diisopropyl ether	5.95	45	494979	45.971	ug/l	99
23) Vinyl Acetate	5.89	43	2171829	235.257	ug/l	100
24) 1,1-Dichloroethane	5.84	63	288666	46.046	ug/l	100
25) 2-Butanone	6.84	43	567746	235.842	ug/l	100
26) 2,2-Dichloropropane	6.82	77	255483	47.089	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	190395	47.039	ug/l	99
28) Bromochloromethane	7.19	49	141501	47.407	ug/l	97
29) Tetrahydrofuran	7.21	42	346640	227.382	ug/l	99
30) Chloroform	7.37	83	293197	46.896	ug/l	100
31) Cyclohexane	7.65	56	274690	46.670	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	262382	47.030	ug/l	99
36) 1,1-Dichloropropene	7.79	75	221726	48.159	ug/l	100
37) Ethyl Acetate	6.93	43	217867	48.961	ug/l	99
38) Carbon Tetrachloride	7.77	117	236945	49.407	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288551	50.611	ug/l	99
40) Benzene	8.04	78	675121	48.655	ug/l	99
41) Methacrylonitrile	7.17	41	106614	47.425	ug/l	98
42) 1,2-Dichloroethane	8.12	62	219959	48.512	ug/l	99
43) Isopropyl Acetate	8.17	43	360317	48.193	ug/l #	92
44) Trichloroethene	8.83	130	198313	51.266	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177321	49.048	ug/l	100
46) Dibromomethane	9.21	93	119180	50.267	ug/l	99
47) Bromodichloromethane	9.40	83	235564	48.454	ug/l	100
48) Methyl methacrylate	9.20	41	167500	48.611	ug/l	98
49) 1,4-Dioxane	9.20	88	72370	1010.682	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1079624	244.501	ug/l	100
52) Toluene	10.16	92	434584	49.798	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	262087	50.504	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	287530	50.015	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	172711	49.401	ug/l	99
56) Ethyl methacrylate	10.43	69	271336	50.219	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279649	49.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	528801	256.098	ug/l	99
59) 2-Hexanone	10.75	43	781290	249.416	ug/l	100
60) Dibromochloromethane	10.90	129	208327	51.152	ug/l	100
61) 1,2-Dibromoethane	11.00	107	180151	49.679	ug/l	99
64) Tetrachloroethene	10.63	164	196948	49.146	ug/l	98
65) Chlorobenzene	11.43	112	471687	49.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	184248	48.568	ug/l	99
67) Ethyl Benzene	11.51	91	833062	48.839	ug/l	99
68) m/p-Xylenes	11.62	106	644730	99.981	ug/l	100
69) o-Xylene	11.95	106	316217	49.426	ug/l	99
70) Styrene	11.96	104	534255	51.566	ug/l	100
71) Bromoform	12.13	173	163560	50.546	ug/l #	99
73) Isopropylbenzene	12.25	105	832449	51.562	ug/l	99
74) N-amyl acetate	12.07	43	301510	48.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	241676	50.494	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	197743m	50.552	ug/l	
77) Bromobenzene	12.53	156	224876	46.357	ug/l	97
78) n-propylbenzene	12.59	91	914275	46.274	ug/l	99
79) 2-Chlorotoluene	12.67	91	543885	51.164	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	699977	51.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	79737	47.194	ug/l	99
82) 4-Chlorotoluene	12.77	91	539566	46.457	ug/l	100
83) tert-Butylbenzene	12.99	119	613383	52.271	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	695036	51.203	ug/l	99
85) sec-Butylbenzene	13.17	105	794458	52.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	742804	47.051	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	372186	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	362187	49.595	ug/l	99
89) n-Butylbenzene	13.61	91	590927	48.852	ug/l	99
90) Hexachloroethane	13.87	117	136353	45.377	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	363578	47.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43818	43.502	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209157	47.623	ug/l	99
94) Hexachlorobutadiene	15.01	225	146531	54.495	ug/l	99
95) Naphthalene	15.13	128	535883	50.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	212762	52.521	ug/l	99

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

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