

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055429.D
 Acq On : 7 May 2019 11:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:21:44 AM

Quant Time: May 08 06:32:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	390511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	613604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	525734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	243749	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.59	113	193196	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	695978	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	240744	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	214119	44.752	ug/l	99
3) Chloromethane	2.06	50	237716	40.124	ug/l	100
4) Vinyl Chloride	2.19	62	210477	44.073	ug/l	99
5) Bromomethane	2.56	94	143610	56.771	ug/l	99
6) Chloroethane	2.71	64	119308	46.116	ug/l	99
7) Trichlorofluoromethane	3.02	101	317552	46.762	ug/l	98
8) Diethyl Ether	3.41	74	120514	50.724	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	199282	49.280	ug/l	99
10) Methyl Iodide	3.96	142	262325	46.095	ug/l	99
11) Tert butyl alcohol	4.78	59	82332	281.485	ug/l	98
12) 1,1-Dichloroethene	3.74	96	180299	46.739	ug/l	98
13) Acrolein	3.61	56	57164	250.253	ug/l	98
14) Allyl chloride	4.33	41	402519	50.381	ug/l	99
15) Acrylonitrile	4.99	53	427992	260.326	ug/l	100
16) Acetone	3.82	43	435350	273.491	ug/l	96
17) Carbon Disulfide	4.06	76	405409	40.270	ug/l	98
18) Methyl Acetate	4.33	43	226421	58.568	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	579650	53.450	ug/l	100
20) Methylene Chloride	4.55	84	217150	44.692	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	186505	45.651	ug/l	99
22) Diisopropyl ether	5.95	45	838635	52.830	ug/l	98
23) Vinyl Acetate	5.90	43	2838634	272.841	ug/l	100
24) 1,1-Dichloroethane	5.85	63	420355	49.699	ug/l	100
25) 2-Butanone	6.83	43	563700	276.902	ug/l	97
26) 2,2-Dichloropropane	6.83	77	307872	52.713	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	230117	49.531	ug/l	97
28) Bromochloromethane	7.19	49	203387	47.706	ug/l	96
29) Tetrahydrofuran	7.21	42	346642	265.923	ug/l	99
30) Chloroform	7.37	83	397330	49.556	ug/l	99
31) Cyclohexane	7.65	56	363713	45.261	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	325828	50.072	ug/l	100
36) 1,1-Dichloropropene	7.79	75	280309	47.693	ug/l	99
37) Ethyl Acetate	6.93	43	232366	51.585	ug/l	98
38) Carbon Tetrachloride	7.77	117	274979	48.501	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327761	52.451	ug/l	97
40) Benzene	8.04	78	850668	49.098	ug/l	100
41) Methacrylonitrile	7.17	41	134091	54.929	ug/l	96
42) 1,2-Dichloroethane	8.12	62	306846	50.003	ug/l	100
43) Isopropyl Acetate	8.16	43	413127	57.069	ug/l #	87
44) Trichloroethene	8.83	130	211123	47.799	ug/l	93
45) 1,2-Dichloropropane	9.12	63	253524	50.734	ug/l	98
46) Dibromomethane	9.21	93	136620	50.017	ug/l	97
47) Bromodichloromethane	9.40	83	306778	52.353	ug/l	99
48) Methyl methacrylate	9.20	41	188008	52.830	ug/l	97
49) 1,4-Dioxane	9.20	88	40796	1108.959	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1119381	274.649	ug/l	99
52) Toluene	10.16	92	501092	50.405	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	289317	56.875	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	354372	55.874	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	190039	51.479	ug/l	99
56) Ethyl methacrylate	10.43	69	260940	57.428	ug/l	99
57) 1,3-Dichloropropane	10.71	76	339684	52.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	328058	233.502	ug/l	99
59) 2-Hexanone	10.75	43	739755	290.089	ug/l	99
60) Dibromochloromethane	10.90	129	205931	54.581	ug/l	98
61) 1,2-Dibromoethane	11.00	107	176388	51.695	ug/l	98
64) Tetrachloroethene	10.63	164	208498	48.496	ug/l	99
65) Chlorobenzene	11.43	112	512345	49.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	203722	50.616	ug/l	99
67) Ethyl Benzene	11.51	91	967725	52.136	ug/l	99
68) m/p-Xylenes	11.62	106	702985	106.105	ug/l	99
69) o-Xylene	11.95	106	346154	52.712	ug/l	100
70) Styrene	11.96	104	577982	57.324	ug/l	100
71) Bromoform	12.13	173	128045	57.333	ug/l #	99
73) Isopropylbenzene	12.25	105	946942	52.723	ug/l	100
74) N-amyl acetate	12.07	43	312307	53.736	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	230310	51.418	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	215642m	51.294	ug/l	
77) Bromobenzene	12.52	156	219308	50.801	ug/l	97
78) n-propylbenzene	12.59	91	1088438	46.789	ug/l	100
79) 2-Chlorotoluene	12.67	91	646314	52.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	819212	46.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58504	48.957	ug/l	99
82) 4-Chlorotoluene	12.77	91	630582	46.621	ug/l	99
83) tert-Butylbenzene	12.99	119	694314	55.575	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	787891	49.621	ug/l	100
85) sec-Butylbenzene	13.17	105	934222	48.413	ug/l	100
86) p-Isopropyltoluene	13.29	119	819936	51.697	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	381696	50.369	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	368618	51.653	ug/l	98
89) n-Butylbenzene	13.61	91	682162	60.528	ug/l	100
90) Hexachloroethane	13.87	117	135324	54.013	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	373608	49.743	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35721	59.956	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	172028	57.562	ug/l	98
94) Hexachlorobutadiene	15.01	225	152178	68.361	ug/l	97
95) Naphthalene	15.13	128	316868	50.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	168757	57.461	ug/l	100

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

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