

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055427.D
 Acq On : 6 May 2019 20:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:51 PM

Quant Time: May 07 02:37:16 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	352166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	582064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	247598	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	192611	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	682992	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.40	95	239404	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199873	46.323	ug/l	99
3) Chloromethane	2.06	50	220524	41.275	ug/l	97
4) Vinyl Chloride	2.19	62	196857	45.709	ug/l	100
5) Bromomethane	2.56	94	107024	46.915	ug/l	94
6) Chloroethane	2.71	64	110012	47.153	ug/l	98
7) Trichlorofluoromethane	3.02	101	289374	47.252	ug/l	100
8) Diethyl Ether	3.41	74	117514	54.847	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175243	48.054	ug/l	99
10) Methyl Iodide	3.96	142	246140	47.960	ug/l	99
11) Tert butyl alcohol	4.79	59	86728	328.801	ug/l	97
12) 1,1-Dichloroethene	3.74	96	167215	48.067	ug/l	99
13) Acrolein	3.61	56	63430	307.919	ug/l	99
14) Allyl chloride	4.33	41	365578	50.740	ug/l	98
15) Acrylonitrile	4.99	53	437141	294.842	ug/l	100
16) Acetone	3.82	43	346174	241.148	ug/l	100
17) Carbon Disulfide	4.06	76	365187	40.224	ug/l	98
18) Methyl Acetate	4.33	43	226861	65.188	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	560146	57.276	ug/l	99
20) Methylene Chloride	4.56	84	205880	46.987	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	175947	47.756	ug/l	99
22) Diisopropyl ether	5.95	45	780734	54.537	ug/l	95
23) Vinyl Acetate	5.90	43	2716629	289.545	ug/l	99
24) 1,1-Dichloroethane	5.85	63	388490	50.933	ug/l	100
25) 2-Butanone	6.84	43	539800	294.034	ug/l	99
26) 2,2-Dichloropropane	6.83	77	244717	46.462	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	214369	51.165	ug/l	99
28) Bromochloromethane	7.20	49	196970	51.231	ug/l	97
29) Tetrahydrofuran	7.21	42	364943	310.446	ug/l	99
30) Chloroform	7.37	83	374039	51.731	ug/l	99
31) Cyclohexane	7.65	56	330854	45.655	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	294061	50.111	ug/l	99
36) 1,1-Dichloropropene	7.80	75	256742	46.050	ug/l	99
37) Ethyl Acetate	6.93	43	235812	55.187	ug/l	99
38) Carbon Tetrachloride	7.78	117	242695	45.126	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288713	48.706	ug/l	97
40) Benzene	8.04	78	787050	47.887	ug/l	100
41) Methacrylonitrile	7.17	41	139196	60.040	ug/l	95
42) 1,2-Dichloroethane	8.13	62	290662	49.932	ug/l	99
43) Isopropyl Acetate	8.17	43	419608	61.106	ug/l	97
44) Trichloroethene	8.84	130	199755	47.675	ug/l	99
45) 1,2-Dichloropropane	9.12	63	237555	50.114	ug/l	99
46) Dibromomethane	9.21	93	131880	50.898	ug/l	98
47) Bromodichloromethane	9.40	83	282013	50.735	ug/l	99
48) Methyl methacrylate	9.20	41	191567	56.747	ug/l	98
49) 1,4-Dioxane	9.20	88	43738	1253.355	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1160429	300.148	ug/l	100
52) Toluene	10.16	92	466036	49.419	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260639	54.014	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	316357	52.583	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	185379	52.938	ug/l	99
56) Ethyl methacrylate	10.43	69	251571	58.366	ug/l	99
57) 1,3-Dichloropropane	10.71	76	324149	52.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	301827	226.846	ug/l	100
59) 2-Hexanone	10.75	43	734454	303.617	ug/l	99
60) Dibromochloromethane	10.90	129	194999	54.484	ug/l	100
61) 1,2-Dibromoethane	11.01	107	174563	53.932	ug/l	99
64) Tetrachloroethene	10.63	164	200202	48.758	ug/l	98
65) Chlorobenzene	11.43	112	472172	48.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	188634	49.074	ug/l	99
67) Ethyl Benzene	11.51	91	881492	49.726	ug/l	98
68) m/p-Xylenes	11.62	106	643677	101.727	ug/l	99
69) o-Xylene	11.95	106	319504	50.944	ug/l	99
70) Styrene	11.96	104	523729	54.388	ug/l	99
71) Bromoform	12.13	173	122050	57.222	ug/l #	100
73) Isopropylbenzene	12.25	105	862703	50.463	ug/l	100
74) N-amyl acetate	12.07	43	311093	56.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	227605	53.668	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	206431m	51.748	ug/l	
77) Bromobenzene	12.53	156	203640	49.640	ug/l	97
78) n-propylbenzene	12.59	91	969285	43.893	ug/l	100
79) 2-Chlorotoluene	12.67	91	591354	50.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	733476	43.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55169	48.632	ug/l	98
82) 4-Chlorotoluene	12.77	91	570933	44.466	ug/l	99
83) tert-Butylbenzene	12.99	119	629370	52.929	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	708842	47.027	ug/l	99
85) sec-Butylbenzene	13.17	105	828103	45.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	724889	48.146	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341256	47.438	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	326039	48.127	ug/l	99
89) n-Butylbenzene	13.61	91	572991	53.557	ug/l	99
90) Hexachloroethane	13.87	117	118511	49.703	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	345375	48.440	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34744	61.431	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	143220	50.889	ug/l	97
94) Hexachlorobutadiene	15.01	225	124375	58.444	ug/l	95
95) Naphthalene	15.13	128	285729	47.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147442	53.093	ug/l	99

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

