

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059554.D
 Acq On : 11 Dec 2019 11:22
 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
 12/12/2019 11:27:17 AM

Quant Time: Dec 12 04:25:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	286446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	450156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	417079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	181009	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
35) Dibromofluoromethane	7.56	113	127987	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.08	98	601077	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.40	95	187978	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	139366	42.183	ug/l	98
3) Chloromethane	2.04	50	225887	45.166	ug/l	99
4) Vinyl Chloride	2.17	62	220121	44.653	ug/l	100
5) Bromomethane	2.55	94	130593	43.493	ug/l	99
6) Chloroethane	2.68	64	127284	43.240	ug/l	97
7) Trichlorofluoromethane	3.00	101	257585	43.711	ug/l	100
8) Diethyl Ether	3.38	74	89303	44.220	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	139898	45.617	ug/l	94
10) Methyl Iodide	3.92	142	194749	46.897	ug/l	95
11) Tert butyl alcohol	4.74	59	131641	198.759	ug/l	98
12) 1,1-Dichloroethene	3.71	96	137129	45.995	ug/l	85
13) Acrolein	3.58	56	124743	387.037	ug/l	99
14) Allyl chloride	4.29	41	221284	38.584	ug/l #	90
15) Acrylonitrile	4.95	53	419126	239.935	ug/l	97
16) Acetone	3.78	43	376685m	201.418	ug/l	
17) Carbon Disulfide	4.03	76	434731	45.942	ug/l	100
18) Methyl Acetate	4.29	43	204613	41.672	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	461022	46.519	ug/l	99
20) Methylene Chloride	4.52	84	158684	47.069	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	152263	47.584	ug/l	95
22) Diisopropyl ether	5.92	45	574034	52.577	ug/l	93
23) Vinyl Acetate	5.86	43	2325203	255.306	ug/l	98
24) 1,1-Dichloroethane	5.82	63	310866	50.149	ug/l	100
25) 2-Butanone	6.80	43	677941	269.311	ug/l	99
26) 2,2-Dichloropropane	6.79	77	279188	49.854	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	190537	52.939	ug/l	97
28) Bromochloromethane	7.17	49	120302	50.781	ug/l	100
29) Tetrahydrofuran	7.18	42	361796	206.622	ug/l	99
30) Chloroform	7.35	83	265444	43.388	ug/l	96
31) Cyclohexane	7.63	56	249236	41.316	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	234873	43.275	ug/l	100
36) 1,1-Dichloropropene	7.77	75	204304	44.237	ug/l	100
37) Ethyl Acetate	6.90	43	267825	49.738	ug/l	99
38) Carbon Tetrachloride	7.75	117	204479	44.918	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	242413	46.793	ug/l	98
40) Benzene	8.02	78	588247	44.586	ug/l	100
41) Methacrylonitrile	7.15	41	100610m	44.827	ug/l	
42) 1,2-Dichloroethane	8.10	62	226714	46.120	ug/l	99
43) Isopropyl Acetate	8.14	43	362213	45.433	ug/l	100
44) Trichloroethene	8.82	130	151344	45.406	ug/l	99
45) 1,2-Dichloropropane	9.10	63	159063	45.510	ug/l	100
46) Dibromomethane	9.19	93	103598	44.851	ug/l	98
47) Bromodichloromethane	9.39	83	211957	46.172	ug/l	99
48) Methyl methacrylate	9.18	41	160836	46.139	ug/l	98
49) 1,4-Dioxane	9.18	88	39445	884.410	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1312854	259.205	ug/l	98
52) Toluene	10.14	92	438438	55.773	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	248254	46.414	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	260561	47.598	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	143364	45.092	ug/l	98
56) Ethyl methacrylate	10.42	69	219277	40.461	ug/l	100
57) 1,3-Dichloropropane	10.70	76	249510	45.951	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	369931	284.026	ug/l	99
59) 2-Hexanone	10.74	43	860787	222.723	ug/l	100
60) Dibromochloromethane	10.89	129	158482	41.939	ug/l	100
61) 1,2-Dibromoethane	11.00	107	149411	45.142	ug/l	99
64) Tetrachloroethene	10.62	164	140722	46.165	ug/l	99
65) Chlorobenzene	11.43	112	383555	43.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	143492	44.024	ug/l	99
67) Ethyl Benzene	11.51	91	707059	44.961	ug/l	100
68) m/p-Xylenes	11.62	106	527652	89.443	ug/l	96
69) o-Xylene	11.94	106	249440	45.428	ug/l	96
70) Styrene	11.96	104	409190	44.982	ug/l	98
71) Bromoform	12.12	173	112412	43.832	ug/l #	99
73) Isopropylbenzene	12.25	105	681967	44.189	ug/l	100
74) N-amyl acetate	12.07	43	311363	46.316	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	216243	41.351	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	223029m	42.390	ug/l	
77) Bromobenzene	12.52	156	160706	41.827	ug/l	95
78) n-propylbenzene	12.59	91	829213	43.724	ug/l	99
79) 2-Chlorotoluene	12.67	91	477292	42.207	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	583178	44.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83353	42.624	ug/l	89
82) 4-Chlorotoluene	12.77	91	504855	43.661	ug/l	98
83) tert-Butylbenzene	12.99	119	488255	44.242	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	591612	45.273	ug/l	98
85) sec-Butylbenzene	13.17	105	680606	44.899	ug/l	99
86) p-Isopropyltoluene	13.29	119	620555	45.803	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	301063	42.542	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296694	42.817	ug/l	99
89) n-Butylbenzene	13.61	91	590629	46.428	ug/l	98
90) Hexachloroethane	13.87	117	115812	46.546	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	287562	43.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49300	41.482	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186347	40.569	ug/l	99
94) Hexachlorobutadiene	15.01	225	100560	42.852	ug/l	99
95) Naphthalene	15.12	128	523653	39.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	177607	40.193	ug/l	99

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

