

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055192.D
 Acq On : 23 Apr 2019 9:11
 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
 4/24/2019 12:43:40 PM

Quant Time: Apr 23 15:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	460244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	694351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	279856	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
35) Dibromofluoromethane	7.59	113	228540	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.09	98	854717	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	283058	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	299813	50.594	ug/l	99
3) Chloromethane	2.06	50	342712	47.197	ug/l	100
4) Vinyl Chloride	2.19	62	272928	46.907	ug/l	99
5) Bromomethane	2.55	94	146251	43.343	ug/l	96
6) Chloroethane	2.70	64	140992	45.976	ug/l	96
7) Trichlorofluoromethane	3.02	101	385228	48.652	ug/l	100
8) Diethyl Ether	3.41	74	129198	45.715	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	226331	45.808	ug/l	98
10) Methyl Iodide	3.95	142	336168	48.518	ug/l	100
11) Tert butyl alcohol	4.78	59	73354	201.695	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	219928	46.446	ug/l	97
13) Acrolein	3.61	56	100827	187.416	ug/l	98
14) Allyl chloride	4.32	41	430046	45.941	ug/l	99
15) Acrylonitrile	4.99	53	439178	220.187	ug/l	99
16) Acetone	3.82	43	460186	223.460	ug/l	100
17) Carbon Disulfide	4.05	76	642664	48.548	ug/l	99
18) Methyl Acetate	4.32	43	194158	43.734	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	586291	44.783	ug/l	98
20) Methylene Chloride	4.55	84	252679	42.680	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	229987	46.318	ug/l	97
22) Diisopropyl ether	5.95	45	856947	45.927	ug/l	99
23) Vinyl Acetate	5.89	43	2982161	237.835	ug/l	100
24) 1,1-Dichloroethane	5.85	63	451729	45.009	ug/l	100
25) 2-Butanone	6.83	43	571592	214.989	ug/l	99
26) 2,2-Dichloropropane	6.82	77	319403	47.028	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	258154	45.102	ug/l	98
28) Bromochloromethane	7.19	49	227873	44.541	ug/l	99
29) Tetrahydrofuran	7.21	42	344580	210.792	ug/l	99
30) Chloroform	7.37	83	432344	45.287	ug/l	99
31) Cyclohexane	7.65	56	447990	47.616	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	358826	46.784	ug/l	99
36) 1,1-Dichloropropene	7.79	75	337417	52.356	ug/l	100
37) Ethyl Acetate	6.93	43	229983	44.218	ug/l	98
38) Carbon Tetrachloride	7.77	117	313055	51.873	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380565	49.499	ug/l	97
40) Benzene	8.04	78	987516	49.638	ug/l	99
41) Methacrylonitrile	7.18	41	143180	52.509	ug/l	98
42) 1,2-Dichloroethane	8.12	62	329852	47.526	ug/l	100
43) Isopropyl Acetate	8.16	43	401661	47.691	ug/l #	90
44) Trichloroethene	8.83	130	251027	49.923	ug/l	98
45) 1,2-Dichloropropane	9.12	63	270400	48.151	ug/l	98
46) Dibromomethane	9.21	93	152708	47.503	ug/l	98
47) Bromodichloromethane	9.40	83	326622	50.753	ug/l	100
48) Methyl methacrylate	9.20	41	190847	46.714	ug/l	99
49) 1,4-Dioxane	9.20	88	43946	931.464	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111536	229.353	ug/l	100
52) Toluene	10.15	92	586187	50.262	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	310968	52.653	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	384146	52.414	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201999	46.980	ug/l	99
56) Ethyl methacrylate	10.43	69	267324	49.908	ug/l	99
57) 1,3-Dichloropropane	10.71	76	366426	48.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	437336	213.617	ug/l	100
59) 2-Hexanone	10.75	43	742230	242.463	ug/l	100
60) Dibromochloromethane	10.90	129	224166	50.616	ug/l	98
61) 1,2-Dibromoethane	11.00	107	198405	49.079	ug/l	99
64) Tetrachloroethene	10.63	164	243027	49.622	ug/l	100
65) Chlorobenzene	11.43	112	593613	48.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221954	48.871	ug/l	99
67) Ethyl Benzene	11.51	91	1101228	50.450	ug/l	99
68) m/p-Xylenes	11.62	106	810655	103.547	ug/l	99
69) o-Xylene	11.95	106	392989	50.582	ug/l	100
70) Styrene	11.96	104	657100	54.563	ug/l	99
71) Bromoform	12.13	173	141046	52.042	ug/l #	99
73) Isopropylbenzene	12.25	105	1052629	50.940	ug/l	100
74) N-amyl acetate	12.07	43	305668	46.063	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249246	47.499	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179493m	34.375	ug/l	
77) Bromobenzene	12.52	156	254273	44.749	ug/l	99
78) n-propylbenzene	12.59	91	1204981	46.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	721481	44.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	883787	45.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59551	43.233	ug/l	99
82) 4-Chlorotoluene	12.77	91	707732	47.194	ug/l	99
83) tert-Butylbenzene	12.99	119	739941	51.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	874807	48.112	ug/l	98
85) sec-Butylbenzene	13.17	105	969171	44.461	ug/l	100
86) p-Isopropyltoluene	13.28	119	863987	48.110	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	429095	49.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	412850	48.614	ug/l	98
89) n-Butylbenzene	13.61	91	713924	53.633	ug/l	99
90) Hexachloroethane	13.87	117	141308	44.367	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	413058	46.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34834	44.569	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177543	47.076	ug/l	99
94) Hexachlorobutadiene	15.01	225	144547	55.688	ug/l	98
95) Naphthalene	15.13	128	338837	41.565	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	170755	45.619	ug/l	99

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

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