

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054890.D
 Acq On : 2 Apr 2019 9:31
 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
 4/3/2019 10:43:46 AM

Quant Time: Apr 03 05:15:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	461658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	728721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	639655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	291401	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	7.59	113	236541	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.09	98	894894	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	311820	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	213965	45.820	ug/l	97
3) Chloromethane	2.06	50	291625	45.166	ug/l	99
4) Vinyl Chloride	2.19	62	265119	45.724	ug/l	98
5) Bromomethane	2.57	94	147683	48.514	ug/l	99
6) Chloroethane	2.71	64	147288	45.491	ug/l	96
7) Trichlorofluoromethane	3.02	101	339901	47.682	ug/l	99
8) Diethyl Ether	3.41	74	110685	48.221	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	186860	49.794	ug/l	94
10) Methyl Iodide	3.94	142	244494	47.593	ug/l #	88
11) Tert butyl alcohol	4.82	59	80354	247.820	ug/l	98
12) 1,1-Dichloroethene	3.73	96	173774	47.886	ug/l #	72
13) Acrolein	3.61	56	71303	245.984	ug/l	98
14) Allyl chloride	4.32	41	424491	47.490	ug/l #	91
15) Acrylonitrile	4.99	53	441189	244.799	ug/l	100
16) Acetone	3.82	43	454746	306.426	ug/l #	83
17) Carbon Disulfide	4.04	76	537201	45.641	ug/l	99
18) Methyl Acetate	4.33	43	198802	51.458	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	610539	48.097	ug/l	95
20) Methylene Chloride	4.55	84	245148	46.831	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	223416	46.872	ug/l #	81
22) Diisopropyl ether	5.96	45	871004	49.268	ug/l #	93
23) Vinyl Acetate	5.90	43	3079107	250.278	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	452473	47.979	ug/l	98
25) 2-Butanone	6.84	43	608556	277.413	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	336509	50.911	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	261252	48.518	ug/l	87
28) Bromochloromethane	7.19	49	241454	51.203	ug/l #	70
29) Tetrahydrofuran	7.22	42	361988	237.584	ug/l #	84
30) Chloroform	7.37	83	441118	49.054	ug/l	100
31) Cyclohexane	7.65	56	428479	49.858	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	368901	49.502	ug/l	96
36) 1,1-Dichloropropene	7.79	75	338205	49.807	ug/l	95
37) Ethyl Acetate	6.94	43	242509	48.702	ug/l	96
38) Carbon Tetrachloride	7.77	117	321379	48.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	382269	51.207	ug/l	89
40) Benzene	8.04	78	986055	50.750	ug/l	99
41) Methacrylonitrile	7.18	41	143490	51.297	ug/l	89
42) 1,2-Dichloroethane	8.12	62	346102	49.888	ug/l	97
43) Isopropyl Acetate	8.17	43	420288	51.945	ug/l #	93
44) Trichloroethene	8.83	130	256387	50.833	ug/l	95
45) 1,2-Dichloropropane	9.12	63	275090	49.654	ug/l	99
46) Dibromomethane	9.21	93	154701	49.638	ug/l	89
47) Bromodichloromethane	9.40	83	341505	52.725	ug/l	95
48) Methyl methacrylate	9.20	41	216159	49.285	ug/l	87
49) 1,4-Dioxane	9.20	88	45039	1034.953	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1198931	263.563	ug/l	92
52) Toluene	10.16	92	596203	51.569	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	325715	53.459	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	396828	54.523	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	215312	50.085	ug/l	96
56) Ethyl methacrylate	10.43	69	288685	51.192	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	377682	51.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	537006	222.262	ug/l #	88
59) 2-Hexanone	10.75	43	794461	272.819	ug/l	91
60) Dibromochloromethane	10.90	129	232439	53.376	ug/l	99
61) 1,2-Dibromoethane	11.00	107	209411	50.973	ug/l	100
64) Tetrachloroethene	10.63	164	244820	49.876	ug/l	98
65) Chlorobenzene	11.43	112	626011	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	236670	50.488	ug/l	99
67) Ethyl Benzene	11.51	91	1149225	50.851	ug/l	97
68) m/p-Xylenes	11.62	106	852832	101.973	ug/l	94
69) o-Xylene	11.95	106	409271	49.905	ug/l	94
70) Styrene	11.96	104	692492	52.810	ug/l	97
71) Bromoform	12.13	173	146493	53.344	ug/l #	100
73) Isopropylbenzene	12.25	105	1100227	46.140	ug/l	97
74) N-amyl acetate	12.07	43	353010	47.518	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	269177	51.250	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236281m	46.620	ug/l	
77) Bromobenzene	12.53	156	271812	47.230	ug/l	86
78) n-propylbenzene	12.59	91	1264624	48.252	ug/l	97
79) 2-Chlorotoluene	12.67	91	758329	46.768	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	927359	47.396	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	63306	48.586	ug/l	87
82) 4-Chlorotoluene	12.77	91	756444	48.031	ug/l	95
83) tert-Butylbenzene	12.99	119	779021	51.446	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	909055	48.767	ug/l	98
85) sec-Butylbenzene	13.17	105	1027649	48.349	ug/l	96
86) p-Isopropyltoluene	13.29	119	913083	48.706	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	466871	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	453661	48.005	ug/l	99
89) n-Butylbenzene	13.61	91	768392	50.238	ug/l	97
90) Hexachloroethane	13.87	117	153385	48.191	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	459209	47.223	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38821	47.622	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228912	48.828	ug/l	98
94) Hexachlorobutadiene	15.01	225	145213	52.403	ug/l	100
95) Naphthalene	15.13	128	487900	46.402	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	227306	48.009	ug/l	99

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

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