

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057385.D
 Acq On : 19 Aug 2019 8:50
 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
 8/21/2019 9:45:00 AM

Quant Time: Aug 20 08:59:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	862232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1204463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1086438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	466066	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	7.58	113	436124	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
50) Toluene-d8	10.09	98	1644921	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
62) 4-Bromofluorobenzene	12.40	95	569507	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	328235	44.240	ug/l	99
3) Chloromethane	2.05	50	352635	40.267	ug/l	100
4) Vinyl Chloride	2.18	62	358851	43.555	ug/l	98
5) Bromomethane	2.54	94	275415m	46.895	ug/l	
6) Chloroethane	2.69	64	248636	43.872	ug/l	98
7) Trichlorofluoromethane	3.01	101	606631	46.940	ug/l	98
8) Diethyl Ether	3.40	74	219685	45.165	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	369182	48.623	ug/l	97
10) Methyl Iodide	3.95	142	604673	49.822	ug/l	99
11) Tert butyl alcohol	4.75	59	268299	201.340	ug/l	100
12) 1,1-Dichloroethene	3.73	96	356664	47.146	ug/l	98
13) Acrolein	3.60	56	122755	151.745	ug/l	98
14) Allyl chloride	4.31	41	541735	44.673	ug/l	98
15) Acrylonitrile	4.97	53	774777	214.158	ug/l	100
16) Acetone	3.80	43	951742	292.698	ug/l	99
17) Carbon Disulfide	4.05	76	931496	45.704	ug/l	100
18) Methyl Acetate	4.31	43	362767	41.334	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1084483	45.686	ug/l	99
20) Methylene Chloride	4.54	84	413049	45.401	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	383657	47.159	ug/l	96
22) Diisopropyl ether	5.93	45	1077220	44.968	ug/l	98
23) Vinyl Acetate	5.88	43	4230497	219.430	ug/l	97
24) 1,1-Dichloroethane	5.83	63	677530	45.971	ug/l	99
25) 2-Butanone	6.82	43	1100556	233.729	ug/l	93
26) 2,2-Dichloropropane	6.81	77	593812	49.854	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	454641	47.204	ug/l	98
28) Bromochloromethane	7.18	49	306031	46.734	ug/l #	91
29) Tetrahydrofuran	7.19	42	596396	200.140	ug/l	97
30) Chloroform	7.36	83	711065	46.039	ug/l	98
31) Cyclohexane	7.64	56	547334	42.854	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	629853	48.485	ug/l	98
36) 1,1-Dichloropropene	7.78	75	523213	49.199	ug/l	100
37) Ethyl Acetate	6.91	43	385716	44.283	ug/l	98
38) Carbon Tetrachloride	7.76	117	563382	50.987	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	629196	50.669	ug/l	98
40) Benzene	8.03	78	1585920	48.756	ug/l	99
41) Methacrylonitrile	7.17	41	212169m	54.090	ug/l	
42) 1,2-Dichloroethane	8.11	62	514832	47.822	ug/l	98
43) Isopropyl Acetate	8.15	43	704654	44.104	ug/l	98
44) Trichloroethene	8.83	130	466765	51.041	ug/l	97
45) 1,2-Dichloropropane	9.11	63	405002	48.305	ug/l	98
46) Dibromomethane	9.20	93	271099	48.468	ug/l	96
47) Bromodichloromethane	9.40	83	563375	50.836	ug/l	99
48) Methyl methacrylate	9.19	41	314962	43.911	ug/l	97
49) 1,4-Dioxane	9.19	88	142449	944.384	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1966865	218.884	ug/l	99
52) Toluene	10.15	92	1041742	51.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	608549	50.766	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	669625	50.658	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	393927	49.481	ug/l	98
56) Ethyl methacrylate	10.42	69	560228	48.221	ug/l	98
57) 1,3-Dichloropropane	10.70	76	648970	48.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	694951	205.031	ug/l	98
59) 2-Hexanone	10.75	43	1522954	235.745	ug/l	98
60) Dibromochloromethane	10.90	129	469870	52.667	ug/l	100
61) 1,2-Dibromoethane	11.00	107	419517	49.468	ug/l	100
64) Tetrachloroethene	10.63	164	488627	52.026	ug/l	99
65) Chlorobenzene	11.43	112	1146130	51.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	444187	52.343	ug/l	100
67) Ethyl Benzene	11.51	91	1991502	51.371	ug/l	100
68) m/p-Xylenes	11.62	106	1540497	107.853	ug/l	97
69) o-Xylene	11.95	106	743468	53.013	ug/l	98
70) Styrene	11.96	104	1226031	54.843	ug/l	99
71) Bromoform	12.12	173	361908	54.058	ug/l	99
73) Isopropylbenzene	12.25	105	2002762	54.041	ug/l	99
74) N-amyl acetate	12.07	43	542319	39.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	519240	49.857	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	418807m	45.227	ug/l	
77) Bromobenzene	12.53	156	540678	54.025	ug/l	94
78) n-propylbenzene	12.59	91	2129578	47.212	ug/l	99
79) 2-Chlorotoluene	12.67	91	1304838	53.056	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1695396	53.895	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	172779	44.978	ug/l	98
82) 4-Chlorotoluene	12.77	91	1257699	47.053	ug/l	98
83) tert-Butylbenzene	12.99	119	1505861	54.628	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1622001	48.076	ug/l	98
85) sec-Butylbenzene	13.17	105	1883030	53.236	ug/l	100
86) p-Isopropyltoluene	13.29	119	1688576	48.885	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	846548	51.582	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	796190	51.106	ug/l	99
89) n-Butylbenzene	13.62	91	1253705	50.912	ug/l	99
90) Hexachloroethane	13.88	117	319063	54.521	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	799479	52.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72111	43.171	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	298793	48.962	ug/l	99
94) Hexachlorobutadiene	15.01	225	362480	62.970	ug/l	98
95) Naphthalene	15.13	128	492140	51.877	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	254110	57.559	ug/l	99

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

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