

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057633.D
 Acq On : 1 Sep 2019 10:26
 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
 9/3/2019 11:02:46 AM

Quant Time: Sep 02 02:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	192230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	136836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	208158	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.58	113	136530	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	529071	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	201753	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	152633	49.654	ug/l	100
3) Chloromethane	2.05	50	170645	48.154	ug/l	97
4) Vinyl Chloride	2.18	62	141651	51.033	ug/l	99
5) Bromomethane	2.51	94	84385	48.049	ug/l	98
6) Chloroethane	2.65	64	77627	50.069	ug/l	99
7) Trichlorofluoromethane	2.99	101	200081	51.353	ug/l	99
8) Diethyl Ether	3.39	74	64148	49.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	99519	50.383	ug/l	99
10) Methyl Iodide	3.92	142	127561	50.018	ug/l	99
11) Tert butyl alcohol	4.82	59	98525	216.322	ug/l	100
12) 1,1-Dichloroethene	3.71	96	90485	50.535	ug/l	96
13) Acrolein	3.59	56	37246	205.675	ug/l	98
14) Allyl chloride	4.29	41	273299	48.926	ug/l	98
15) Acrylonitrile	4.97	53	316971	231.930	ug/l	99
16) Acetone	3.81	43	355223	291.887	ug/l	100
17) Carbon Disulfide	4.02	76	288182	49.784	ug/l	99
18) Methyl Acetate	4.31	43	180107	43.102	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	455141	49.132	ug/l	97
20) Methylene Chloride	4.52	84	149356	49.573	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	135263	50.813	ug/l	97
22) Diisopropyl ether	5.94	45	572725	49.876	ug/l	99
23) Vinyl Acetate	5.88	43	2246803	254.592	ug/l	98
24) 1,1-Dichloroethane	5.82	63	294319	51.060	ug/l	99
25) 2-Butanone	6.82	43	506564	249.800	ug/l	99
26) 2,2-Dichloropropane	6.80	77	240185	52.130	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	157538	49.559	ug/l	99
28) Bromochloromethane	7.18	49	148580	48.404	ug/l	99
29) Tetrahydrofuran	7.20	42	284308	223.470	ug/l	99
30) Chloroform	7.36	83	286160	48.935	ug/l	98
31) Cyclohexane	7.63	56	277851	48.297	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	246638	51.417	ug/l	99
36) 1,1-Dichloropropene	7.78	75	215286	50.688	ug/l	99
37) Ethyl Acetate	6.92	43	194033	47.959	ug/l	100
38) Carbon Tetrachloride	7.76	117	195302	51.369	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262079	52.227	ug/l	99
40) Benzene	8.02	78	618785	50.049	ug/l	100
41) Methacrylonitrile	7.16	41	94540	42.066	ug/l	98
42) 1,2-Dichloroethane	8.11	62	256523	51.083	ug/l	99
43) Isopropyl Acetate	8.16	43	344863	47.378	ug/l	100
44) Trichloroethene	8.82	130	142026	50.639	ug/l	97
45) 1,2-Dichloropropane	9.11	63	173020	50.241	ug/l	99
46) Dibromomethane	9.20	93	104833	49.165	ug/l	99
47) Bromodichloromethane	9.39	83	222691	51.405	ug/l	99
48) Methyl methacrylate	9.19	41	175909	47.334	ug/l	99
49) 1,4-Dioxane	9.20	88	40565	932.153	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	988992	237.060	ug/l	99
52) Toluene	10.15	92	373553	51.121	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	224013	46.525	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	252408	47.573	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	136670	49.296	ug/l	98
56) Ethyl methacrylate	10.43	69	223636	48.337	ug/l	99
57) 1,3-Dichloropropane	10.70	76	250727	49.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	316559	233.866	ug/l	100
59) 2-Hexanone	10.75	43	754285	246.203	ug/l	98
60) Dibromochloromethane	10.90	129	136637	45.314	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138228	49.515	ug/l	99
64) Tetrachloroethene	10.63	164	130151	52.166	ug/l	98
65) Chlorobenzene	11.43	112	371477	51.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129108	51.272	ug/l	98
67) Ethyl Benzene	11.51	91	746880	53.240	ug/l	99
68) m/p-Xylenes	11.62	106	512899	103.779	ug/l	97
69) o-Xylene	11.95	106	249377	52.066	ug/l	99
70) Styrene	11.96	104	421905	48.998	ug/l	99
71) Bromoform	12.13	173	83335	45.209	ug/l #	98
73) Isopropylbenzene	12.25	105	705145	51.040	ug/l	98
74) N-amyl acetate	12.07	43	306066	46.943	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	191096	46.931	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170044m	47.242	ug/l	
77) Bromobenzene	12.53	156	154212	52.445	ug/l	97
78) n-propylbenzene	12.59	91	816330	53.088	ug/l	99
79) 2-Chlorotoluene	12.67	91	493415	51.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	604634	53.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49143	46.800	ug/l	99
82) 4-Chlorotoluene	12.77	91	493854	52.034	ug/l	100
83) tert-Butylbenzene	12.99	119	499603	51.806	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	580012	52.748	ug/l	100
85) sec-Butylbenzene	13.17	105	674085	51.966	ug/l	100
86) p-Isopropyltoluene	13.29	119	569557	53.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	253918	53.006	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	241864	52.269	ug/l	99
89) n-Butylbenzene	13.62	91	515725	51.300	ug/l	99
90) Hexachloroethane	13.88	117	96255	51.683	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	242176	52.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29915	47.713	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	84925	43.997	ug/l	98
94) Hexachlorobutadiene	15.01	225	81977	52.259	ug/l	97
95) Naphthalene	15.13	128	235609	41.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	87732	45.099	ug/l	98

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

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