

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057741.D
 Acq On : 7 Sep 2019 10:32
 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
 9/10/2019 3:03:08 PM

Quant Time: Sep 08 06:32:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	228632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	352890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	327762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	195704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	241393	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	7.57	113	159623	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	602112	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	242056	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	159241	43.859	ug/l	95
3) Chloromethane	2.03	50	150348	34.568	ug/l	98
4) Vinyl Chloride	2.16	62	130888	41.627	ug/l	99
5) Bromomethane	2.54	94	74773	51.779	ug/l	97
6) Chloroethane	2.68	64	76882	41.417	ug/l	95
7) Trichlorofluoromethane	2.99	101	208004	41.220	ug/l	98
8) Diethyl Ether	3.39	74	87805	43.547	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	147348	46.788	ug/l	96
10) Methyl Iodide	3.92	142	169155	54.211	ug/l	97
11) Tert butyl alcohol	4.76	59	116063	183.662	ug/l #	91
12) 1,1-Dichloroethene	3.71	96	126309	44.577	ug/l	97
13) Acrolein	3.58	56	60789	202.271	ug/l	100
14) Allyl chloride	4.29	41	272939	42.152	ug/l	98
15) Acrylonitrile	4.96	53	354491	218.191	ug/l	99
16) Acetone	3.79	43	403156	235.542	ug/l	98
17) Carbon Disulfide	4.03	76	275352	42.891	ug/l	100
18) Methyl Acetate	4.30	43	191398	41.121	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	509808	42.856	ug/l	99
20) Methylene Chloride	4.53	84	153888	41.582	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	135642	45.493	ug/l	93
22) Diisopropyl ether	5.92	45	602945	44.019	ug/l	98
23) Vinyl Acetate	5.87	43	2503475	225.808	ug/l	99
24) 1,1-Dichloroethane	5.82	63	302176	43.025	ug/l	100
25) 2-Butanone	6.81	43	546324	222.884	ug/l	99
26) 2,2-Dichloropropane	6.80	77	269358	45.972	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	172556	46.107	ug/l	94
28) Bromochloromethane	7.18	49	163594	44.519	ug/l	97
29) Tetrahydrofuran	7.19	42	337191	213.312	ug/l	99
30) Chloroform	7.35	83	330551	45.167	ug/l	97
31) Cyclohexane	7.63	56	262211	42.003	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	277322	45.494	ug/l	99
36) 1,1-Dichloropropene	7.78	75	219514	46.758	ug/l	98
37) Ethyl Acetate	6.91	43	223780	48.014	ug/l	98
38) Carbon Tetrachloride	7.76	117	224568	49.957	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	241156	48.565	ug/l	99
40) Benzene	8.02	78	636145	47.907	ug/l	98
41) Methacrylonitrile	7.15	41	112454	49.360	ug/l	95
42) 1,2-Dichloroethane	8.11	62	287551	46.199	ug/l	99
43) Isopropyl Acetate	8.15	43	406880	45.482	ug/l	98
44) Trichloroethene	8.82	130	158059	52.961	ug/l	99
45) 1,2-Dichloropropane	9.11	63	181483	48.867	ug/l	99
46) Dibromomethane	9.20	93	121338	50.934	ug/l	94
47) Bromodichloromethane	9.39	83	250849	49.548	ug/l	99
48) Methyl methacrylate	9.19	41	206089	44.794	ug/l	98
49) 1,4-Dioxane	9.19	88	50697	947.036	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1204917	242.524	ug/l	99
52) Toluene	10.15	92	400165	49.721	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	252670	49.746	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	275497	50.203	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	163846	50.587	ug/l	98
56) Ethyl methacrylate	10.43	69	254371	49.205	ug/l	98
57) 1,3-Dichloropropane	10.70	76	280422	48.199	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	643191	245.235	ug/l	99
59) 2-Hexanone	10.75	43	876497	250.185	ug/l	98
60) Dibromochloromethane	10.90	129	168572	48.331	ug/l	98
61) 1,2-Dibromoethane	11.00	107	161425	51.916	ug/l	99
64) Tetrachloroethene	10.63	164	135634	53.079	ug/l	93
65) Chlorobenzene	11.43	112	426500	49.883	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	161876	54.412	ug/l	98
67) Ethyl Benzene	11.51	91	829566	50.288	ug/l	100
68) m/p-Xylenes	11.62	106	591868	104.169	ug/l	98
69) o-Xylene	11.95	106	289644	51.482	ug/l	98
70) Styrene	11.96	104	500552	51.419	ug/l	98
71) Bromoform	12.13	173	110210	49.604	ug/l #	99
73) Isopropylbenzene	12.25	105	825262	47.697	ug/l	99
74) N-amyl acetate	12.07	43	378728	43.819	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	237028	45.686	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204667m	45.541	ug/l	
77) Bromobenzene	12.53	156	190888	50.783	ug/l	90
78) n-propylbenzene	12.59	91	981937	47.768	ug/l	98
79) 2-Chlorotoluene	12.68	91	576918	46.101	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	707454	48.134	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63312	43.813	ug/l	99
82) 4-Chlorotoluene	12.78	91	605154	46.954	ug/l	97
83) tert-Butylbenzene	12.99	119	586864	47.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	713350	48.998	ug/l	99
85) sec-Butylbenzene	13.17	105	819134	47.986	ug/l	99
86) p-Isopropyltoluene	13.29	119	731766	50.582	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	350839	49.927	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	349767	49.757	ug/l	97
89) n-Butylbenzene	13.62	91	691577	48.338	ug/l	99
90) Hexachloroethane	13.88	117	115397	50.908	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	350381	50.645	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47412	46.386	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	227575	54.984	ug/l	98
94) Hexachlorobutadiene	15.01	225	115804	57.403	ug/l	98
95) Naphthalene	15.13	128	592784	49.368	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	209078	52.701	ug/l	97

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

