

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055721.D
 Acq On : 21 May 2019 19:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:10:57 PM

Quant Time: May 22 06:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	367477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	509389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214921	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	171013	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	
35) Dibromofluoromethane	7.59	113	165766	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.09	98	605970	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	210024	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	119089	42.120	ug/l	99
3) Chloromethane	2.06	50	150109	39.803	ug/l	100
4) Vinyl Chloride	2.18	62	167679	41.061	ug/l	99
5) Bromomethane	2.53	94	111064	42.675	ug/l	98
6) Chloroethane	2.69	64	102255	45.097	ug/l	98
7) Trichlorofluoromethane	3.02	101	237953	45.471	ug/l	100
8) Diethyl Ether	3.41	74	98739	46.968	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149047	46.718	ug/l	95
10) Methyl Iodide	3.96	142	231112	50.249	ug/l	98
11) Tert butyl alcohol	4.77	59	181072	241.042	ug/l	99
12) 1,1-Dichloroethene	3.74	96	148518	44.254	ug/l	95
13) Acrolein	3.60	56	76345	199.516	ug/l	98
14) Allyl chloride	4.32	41	232062	42.833	ug/l	98
15) Acrylonitrile	4.98	53	399386	238.967	ug/l	100
16) Acetone	3.81	43	321627	195.646	ug/l	97
17) Carbon Disulfide	4.06	76	364570	39.077	ug/l	98
18) Methyl Acetate	4.32	43	166763	47.318	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	517271	46.590	ug/l	97
20) Methylene Chloride	4.55	84	170327	45.400	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	160340	44.849	ug/l	93
22) Diisopropyl ether	5.95	45	477156	44.446	ug/l	95
23) Vinyl Acetate	5.89	43	2026455	222.456	ug/l	98
24) 1,1-Dichloroethane	5.85	63	281331	44.692	ug/l	99
25) 2-Butanone	6.83	43	520371	226.390	ug/l	97
26) 2,2-Dichloropropane	6.82	77	225407	40.346	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	194738	46.778	ug/l	93
28) Bromochloromethane	7.19	49	111477	40.706	ug/l	84
29) Tetrahydrofuran	7.21	42	338283	222.143	ug/l	95
30) Chloroform	7.37	83	297942	46.110	ug/l	100
31) Cyclohexane	7.65	56	242054	40.516	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	266259	45.941	ug/l	97
36) 1,1-Dichloropropene	7.79	75	209619	46.156	ug/l	96
37) Ethyl Acetate	6.93	43	208156	50.792	ug/l	97
38) Carbon Tetrachloride	7.77	117	242037	49.873	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259669	47.431	ug/l	97
40) Benzene	8.04	78	672569	50.350	ug/l	100
41) Methacrylonitrile	7.18	41	107813m	61.533	ug/l	
42) 1,2-Dichloroethane	8.12	62	214855	49.671	ug/l	99
43) Isopropyl Acetate	8.16	43	405947	56.945	ug/l	96
44) Trichloroethene	8.83	130	205130	54.422	ug/l	93
45) 1,2-Dichloropropane	9.12	63	172635	49.058	ug/l	100
46) Dibromomethane	9.21	93	119564	51.912	ug/l	91
47) Bromodichloromethane	9.40	83	243673	50.479	ug/l	99
48) Methyl methacrylate	9.20	41	160929	50.506	ug/l	96
49) 1,4-Dioxane	9.20	88	74845	1182.121	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1043875	249.636	ug/l	97
52) Toluene	10.16	92	435605	51.992	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	261315	50.297	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	281108	49.389	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	182250	52.838	ug/l	98
56) Ethyl methacrylate	10.43	69	272165	50.547	ug/l	95
57) 1,3-Dichloropropane	10.71	76	283787	51.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	469577	205.252	ug/l	96
59) 2-Hexanone	10.75	43	734851	249.606	ug/l	96
60) Dibromochloromethane	10.90	129	222622	56.948	ug/l	99
61) 1,2-Dibromoethane	11.01	107	190518	55.204	ug/l	100
64) Tetrachloroethene	10.63	164	202295	57.139	ug/l	97
65) Chlorobenzene	11.43	112	483523	53.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198962	54.475	ug/l	99
67) Ethyl Benzene	11.51	91	822762	50.872	ug/l	99
68) m/p-Xylenes	11.62	106	638949	104.615	ug/l	96
69) o-Xylene	11.95	106	317259	53.109	ug/l	95
70) Styrene	11.96	104	536130	53.977	ug/l	97
71) Bromoform	12.13	173	182262	58.885	ug/l #	100
73) Isopropylbenzene	12.25	105	832490	55.461	ug/l	99
74) N-amyl acetate	12.07	43	285739	47.348	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	250908	53.275	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	201848m	46.026	ug/l	
77) Bromobenzene	12.53	156	235710	53.402	ug/l	89
78) n-propylbenzene	12.59	91	881575	46.190	ug/l	97
79) 2-Chlorotoluene	12.67	91	537097	52.673	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	702600	54.725	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	77576	45.472	ug/l	99
82) 4-Chlorotoluene	12.77	91	523026	46.511	ug/l	97
83) tert-Butylbenzene	12.99	119	627876	57.836	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	706299	55.080	ug/l	98
85) sec-Butylbenzene	13.17	105	783714	54.747	ug/l	98
86) p-Isopropyltoluene	13.29	119	734523	55.084	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	375850	51.501	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	361349	51.857	ug/l	98
89) n-Butylbenzene	13.61	91	552291	46.830	ug/l	98
90) Hexachloroethane	13.87	117	144060	56.650	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	373645	51.360	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44445	45.568	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198641	53.642	ug/l	99
94) Hexachlorobutadiene	15.01	225	143401	65.037	ug/l	100
95) Naphthalene	15.13	128	522379	46.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	202454	52.287	ug/l	99

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

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