

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054914.D
 Acq On : 3 Apr 2019 9:10
 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
 4/4/2019 9:31:21 AM

Quant Time: Apr 04 01:30:40 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	440793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	682826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	597023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	275972	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	224926	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	843479	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	284691	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199699	44.789	ug/l	99
3) Chloromethane	2.06	50	270237	43.835	ug/l	100
4) Vinyl Chloride	2.19	62	253065	45.711	ug/l	100
5) Bromomethane	2.57	94	141817	48.805	ug/l	95
6) Chloroethane	2.71	64	143476	46.412	ug/l	99
7) Trichlorofluoromethane	3.03	101	333264	48.964	ug/l	99
8) Diethyl Ether	3.41	74	106265	48.486	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183442	51.197	ug/l	94
10) Methyl Iodide	3.94	142	250043	50.977	ug/l #	89
11) Tert butyl alcohol	4.82	59	70027	226.193	ug/l	100
12) 1,1-Dichloroethene	3.73	96	169035	48.785	ug/l #	72
13) Acrolein	3.61	56	61452	222.035	ug/l	99
14) Allyl chloride	4.32	41	408370	47.849	ug/l #	91
15) Acrylonitrile	4.99	53	415702	241.576	ug/l	99
16) Acetone	3.82	43	439526	310.189	ug/l #	81
17) Carbon Disulfide	4.04	76	509259	45.315	ug/l	99
18) Methyl Acetate	4.33	43	187616	50.851	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	583319	48.128	ug/l	96
20) Methylene Chloride	4.55	84	237313	47.480	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	217598	47.812	ug/l	86
22) Diisopropyl ether	5.96	45	841684	49.863	ug/l #	95
23) Vinyl Acetate	5.90	43	2952249	251.325	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	449155	49.882	ug/l	98
25) 2-Butanone	6.84	43	579317	276.585	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	326665	51.761	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	253144	49.238	ug/l	87
28) Bromochloromethane	7.19	49	224966	49.965	ug/l #	71
29) Tetrahydrofuran	7.22	42	337890	232.266	ug/l #	84
30) Chloroform	7.37	83	430283	50.114	ug/l	100
31) Cyclohexane	7.65	56	412344	50.269	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	358686	50.410	ug/l	95
36) 1,1-Dichloropropene	7.79	75	323279	50.809	ug/l	96
37) Ethyl Acetate	6.93	43	230849	49.476	ug/l	94
38) Carbon Tetrachloride	7.77	117	310101	50.180	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369267	52.790	ug/l	90
40) Benzene	8.04	78	958880	52.669	ug/l	99
41) Methacrylonitrile	7.18	41	136446	52.058	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	338342	52.048	ug/l	97
43) Isopropyl Acetate	8.17	43	391406	51.627	ug/l	94
44) Trichloroethene	8.83	130	247968	52.469	ug/l	88
45) 1,2-Dichloropropane	9.12	63	271738	52.346	ug/l	99
46) Dibromomethane	9.21	93	150155	51.418	ug/l	90
47) Bromodichloromethane	9.40	83	335647	55.304	ug/l	98
48) Methyl methacrylate	9.20	41	198989	48.420	ug/l	90
49) 1,4-Dioxane	9.20	88	41778	1024.544	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1122744	263.404	ug/l	92
52) Toluene	10.15	92	579201	53.465	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315136	55.199	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	384300	56.351	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	206974	51.381	ug/l	94
56) Ethyl methacrylate	10.43	69	277959	52.602	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	365759	52.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	579791	254.523	ug/l	89
59) 2-Hexanone	10.75	43	746829	273.699	ug/l	91
60) Dibromochloromethane	10.90	129	226243	55.445	ug/l	99
61) 1,2-Dibromoethane	11.00	107	200908	52.190	ug/l	99
64) Tetrachloroethene	10.63	164	237924	51.933	ug/l	96
65) Chlorobenzene	11.43	112	609365	52.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	236691	54.098	ug/l	99
67) Ethyl Benzene	11.51	91	1118476	53.025	ug/l	97
68) m/p-Xylenes	11.62	106	826373	105.865	ug/l	95
69) o-Xylene	11.95	106	399513	52.193	ug/l	94
70) Styrene	11.96	104	676724	55.293	ug/l	97
71) Bromoform	12.13	173	138458	54.019	ug/l #	100
73) Isopropylbenzene	12.25	105	1078049	48.123	ug/l	98
74) N-amyl acetate	12.07	43	324214	46.455	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	256781	52.068	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224002m	47.046	ug/l	
77) Bromobenzene	12.53	156	260361	48.156	ug/l	86
78) n-propylbenzene	12.59	91	1223746	49.701	ug/l	96
79) 2-Chlorotoluene	12.67	91	726405	47.686	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	897465	48.824	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60025	49.037	ug/l	86
82) 4-Chlorotoluene	12.77	91	726560	49.106	ug/l	96
83) tert-Butylbenzene	12.99	119	754895	53.134	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	890056	50.825	ug/l	97
85) sec-Butylbenzene	13.17	105	991862	49.673	ug/l	97
86) p-Isopropyltoluene	13.29	119	882875	50.130	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	454481	50.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	436593	49.176	ug/l	99
89) n-Butylbenzene	13.61	91	749158	52.137	ug/l	97
90) Hexachloroethane	13.87	117	148671	49.720	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	442539	48.442	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36511	47.675	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	219720	49.888	ug/l	100
94) Hexachlorobutadiene	15.01	225	139607	53.678	ug/l	100
95) Naphthalene	15.13	128	448029	45.356	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	212186	47.704	ug/l	98

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

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