

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055032.D
 Acq On : 13 Apr 2019 16:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:22 AM

Quant Time: Apr 14 03:52:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	418626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	680109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	259558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	273887	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	220075	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	817484	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.40	95	273741	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	234900	50.871	ug/l	99
3) Chloromethane	2.06	50	305041	49.262	ug/l	97
4) Vinyl Chloride	2.19	62	249759	49.706	ug/l	99
5) Bromomethane	2.54	94	132609	45.590	ug/l	98
6) Chloroethane	2.69	64	134816	48.652	ug/l	96
7) Trichlorofluoromethane	3.01	101	311993	49.500	ug/l	100
8) Diethyl Ether	3.41	74	100973	50.940	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	157980	48.056	ug/l	100
10) Methyl Iodide	3.94	142	240536	50.734	ug/l	98
11) Tert butyl alcohol	4.83	59	86159	266.522	ug/l #	92
12) 1,1-Dichloroethene	3.72	96	155787	48.132	ug/l	98
13) Acrolein	3.60	56	94928	243.277	ug/l	98
14) Allyl chloride	4.31	41	408050	51.598	ug/l	99
15) Acrylonitrile	5.00	53	501890	281.482	ug/l	99
16) Acetone	3.82	43	339151	234.999	ug/l	99
17) Carbon Disulfide	4.03	76	480426	45.572	ug/l	100
18) Methyl Acetate	4.33	43	236886	52.951	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	625771	54.112	ug/l	100
20) Methylene Chloride	4.54	84	243987	52.151	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	217428	50.994	ug/l	93
22) Diisopropyl ether	5.96	45	856540	53.419	ug/l	99
23) Vinyl Acetate	5.90	43	3151258	280.991	ug/l	100
24) 1,1-Dichloroethane	5.84	63	440537	50.870	ug/l	99
25) 2-Butanone	6.85	43	629122	283.038	ug/l	98
26) 2,2-Dichloropropane	6.82	77	271334	47.359	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	253455	51.169	ug/l	98
28) Bromochloromethane	7.19	49	212832	51.799	ug/l	100
29) Tetrahydrofuran	7.22	42	419504	287.903	ug/l	100
30) Chloroform	7.37	83	416519	50.438	ug/l	99
31) Cyclohexane	7.65	56	395360	49.377	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	338368	51.433	ug/l	99
36) 1,1-Dichloropropene	7.79	75	311751	49.598	ug/l	100
37) Ethyl Acetate	6.94	43	270485	57.322	ug/l	99
38) Carbon Tetrachloride	7.77	117	283687	47.948	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	321164	44.631	ug/l	100
40) Benzene	8.04	78	963886	50.722	ug/l	100
41) Methacrylonitrile	7.18	41	148436	51.123	ug/l	99
42) 1,2-Dichloroethane	8.12	62	330598	49.453	ug/l	99
43) Isopropyl Acetate	8.17	43	450065	55.780	ug/l	99
44) Trichloroethene	8.83	130	236523	48.703	ug/l	99
45) 1,2-Dichloropropane	9.12	63	267658	49.911	ug/l	100
46) Dibromomethane	9.21	93	154189	50.178	ug/l	96
47) Bromodichloromethane	9.40	83	319202	51.082	ug/l	99
48) Methyl methacrylate	9.20	41	225396	54.228	ug/l	100
49) 1,4-Dioxane	9.21	88	39678	887.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1340857	283.819	ug/l	98
52) Toluene	10.16	92	571072	50.812	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	307586	54.361	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	368788	52.910	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	213356	50.961	ug/l	97
56) Ethyl methacrylate	10.43	69	299981	55.683	ug/l	99
57) 1,3-Dichloropropane	10.71	76	379761	52.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	586600	242.889	ug/l	99
59) 2-Hexanone	10.75	43	839207	284.263	ug/l	99
60) Dibromochloromethane	10.90	129	224084	53.771	ug/l	99
61) 1,2-Dibromoethane	11.01	107	213003	53.139	ug/l	97
64) Tetrachloroethene	10.63	164	224531	47.863	ug/l	97
65) Chlorobenzene	11.43	112	597366	51.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	219871	51.595	ug/l	100
67) Ethyl Benzene	11.51	91	1076092	50.661	ug/l	100
68) m/p-Xylenes	11.62	106	803204	103.356	ug/l	99
69) o-Xylene	11.95	106	390514	50.788	ug/l	100
70) Styrene	11.96	104	651873	53.468	ug/l	99
71) Bromoform	12.13	173	142519	48.837	ug/l #	100
73) Isopropylbenzene	12.25	105	1015014	45.994	ug/l	99
74) N-amyl acetate	12.07	43	361356	54.325	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	276901	48.463	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	243652m	51.024	ug/l	
77) Bromobenzene	12.53	156	253702	51.298	ug/l	98
78) n-propylbenzene	12.59	91	1120044	46.584	ug/l	100
79) 2-Chlorotoluene	12.67	91	696002	46.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	825562	45.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63223	54.647	ug/l	94
82) 4-Chlorotoluene	12.77	91	690647	48.079	ug/l	99
83) tert-Butylbenzene	12.99	119	690284	44.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	825716	47.933	ug/l	100
85) sec-Butylbenzene	13.17	105	875887	44.573	ug/l	99
86) p-Isopropyltoluene	13.29	119	774125	45.291	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	415375	47.115	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	399593	47.390	ug/l	99
89) n-Butylbenzene	13.61	91	615125	45.823	ug/l	99
90) Hexachloroethane	13.87	117	122162	43.253	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410889	48.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38919	52.384	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179467	42.770	ug/l	99
94) Hexachlorobutadiene	15.01	225	114494	44.616	ug/l	99
95) Naphthalene	15.13	128	448139	45.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185990	48.175	ug/l	98

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

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