

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054089.D
 Acq On : 5 Mar 2019 1:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:59:33 AM

Quant Time: Mar 05 03:46:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	998132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	885210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	386186	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	7.59	113	331955	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
50) Toluene-d8	10.09	98	1236322	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	407902	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	266148	46.658	ug/l	97
3) Chloromethane	2.06	50	380899	48.140	ug/l	100
4) Vinyl Chloride	2.19	62	384847	48.545	ug/l	100
5) Bromomethane	2.57	94	229302	43.674	ug/l	99
6) Chloroethane	2.71	64	227175	46.076	ug/l	97
7) Trichlorofluoromethane	3.02	101	476543	47.053	ug/l	99
8) Diethyl Ether	3.41	74	194478	51.254	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	301147	47.080	ug/l	93
10) Methyl Iodide	3.95	142	418045	49.738	ug/l	97
11) Tert butyl alcohol	4.78	59	129952	282.142	ug/l	100
12) 1,1-Dichloroethene	3.74	96	292866	47.866	ug/l	93
13) Acrolein	3.61	56	74114	155.418	ug/l	99
14) Allyl chloride	4.32	41	534485	49.806	ug/l	94
15) Acrylonitrile	4.99	53	660362	272.030	ug/l	98
16) Acetone	3.81	43	465941	241.871	ug/l	95
17) Carbon Disulfide	4.06	76	875985	44.380	ug/l	99
18) Methyl Acetate	4.32	43	306851	60.400	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	873015	53.190	ug/l	98
20) Methylene Chloride	4.55	84	342266	47.597	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	319559	48.256	ug/l	93
22) Diisopropyl ether	5.95	45	1114172	53.817	ug/l	95
23) Vinyl Acetate	5.90	43	4029777	270.579	ug/l	95
24) 1,1-Dichloroethane	5.85	63	630877	49.692	ug/l	98
25) 2-Butanone	6.83	43	761499	266.930	ug/l	95
26) 2,2-Dichloropropane	6.82	77	367550	40.749	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	366860	49.813	ug/l	95
28) Bromochloromethane	7.19	49	316580	54.478	ug/l #	80
29) Tetrahydrofuran	7.21	42	521523	274.518	ug/l	92
30) Chloroform	7.37	83	614749	49.937	ug/l	99
31) Cyclohexane	7.65	56	574244	49.420	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	500537	49.312	ug/l	96
36) 1,1-Dichloropropene	7.79	75	460096	49.567	ug/l	97
37) Ethyl Acetate	6.93	43	344517	51.980	ug/l	96
38) Carbon Tetrachloride	7.77	117	438112	45.382	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	522212	46.676	ug/l	94
40) Benzene	8.04	78	1413514	49.570	ug/l	100
41) Methacrylonitrile	7.17	41	168270	39.428	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	445977	50.517	ug/l	97
43) Isopropyl Acetate	8.16	43	592676	52.962	ug/l #	91
44) Trichloroethene	8.83	130	362207	47.912	ug/l	95
45) 1,2-Dichloropropane	9.12	63	387549	50.375	ug/l	99
46) Dibromomethane	9.21	93	223974	50.146	ug/l	92
47) Bromodichloromethane	9.40	83	475855	50.555	ug/l	98
48) Methyl methacrylate	9.20	41	285250	55.416	ug/l	92
49) 1,4-Dioxane	9.20	88	77237	1107.854	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	1660638	288.780	ug/l	95
52) Toluene	10.16	92	838583	49.943	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	462599	50.511	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	534700	49.524	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	318154	50.736	ug/l	98
56) Ethyl methacrylate	10.43	69	406761	49.491	ug/l	89
57) 1,3-Dichloropropane	10.71	76	546253	51.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	982899	256.395	ug/l	95
59) 2-Hexanone	10.75	43	1048565	280.362	ug/l	93
60) Dibromochloromethane	10.90	129	346535	49.725	ug/l	99
61) 1,2-Dibromoethane	11.00	107	306535	50.675	ug/l	99
64) Tetrachloroethene	10.63	164	365532	48.765	ug/l	97
65) Chlorobenzene	11.43	112	893157	47.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	333045	49.464	ug/l	99
67) Ethyl Benzene	11.51	91	1553060	49.588	ug/l	99
68) m/p-Xylenes	11.62	106	1181265	99.933	ug/l	96
69) o-Xylene	11.95	106	571199	49.179	ug/l	96
70) Styrene	11.96	104	933430	52.250	ug/l	99
71) Bromoform	12.13	173	233385	49.825	ug/l #	99
73) Isopropylbenzene	12.25	105	1499409	46.668	ug/l	99
74) N-amyl acetate	12.07	43	463429	55.032	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	380578	47.368	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	323086m	48.796	ug/l	
77) Bromobenzene	12.53	156	373252	45.756	ug/l	88
78) n-propylbenzene	12.59	91	1762287	48.229	ug/l	97
79) 2-Chlorotoluene	12.67	91	1044676	47.593	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1287187	48.936	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	99384	47.441	ug/l	91
82) 4-Chlorotoluene	12.77	91	1040125	47.945	ug/l	97
83) tert-Butylbenzene	12.99	119	1121799	48.221	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1299494	49.486	ug/l	98
85) sec-Butylbenzene	13.17	105	1518978	47.806	ug/l	98
86) p-Isopropyltoluene	13.29	119	1298979	48.359	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	662935	46.978	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	649370	47.431	ug/l	99
89) n-Butylbenzene	13.62	91	1114861	49.248	ug/l	98
90) Hexachloroethane	13.87	117	232657	44.697	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	655268	47.969	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59073	52.028	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	335296	44.455	ug/l	97
94) Hexachlorobutadiene	15.01	225	218991	44.380	ug/l	99
95) Naphthalene	15.13	128	716569	44.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	330169	45.516	ug/l	99

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

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