

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054839.D
 Acq On : 31 Mar 2019 8:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:32:05 PM

Quant Time: Apr 01 02:24:54 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	7.67	168	395902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	691689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258595	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	290276	54.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.78%	
35) Dibromofluoromethane	7.59	113	229226	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	845494	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	277363	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	187195	46.746	ug/l	98
3) Chloromethane	2.06	50	275568	49.768	ug/l	100
4) Vinyl Chloride	2.19	62	256106	51.506	ug/l	100
5) Bromomethane	2.57	94	111263	42.335	ug/l	97
6) Chloroethane	2.71	64	143746	51.771	ug/l	98
7) Trichlorofluoromethane	3.02	101	322600	52.771	ug/l	100
8) Diethyl Ether	3.41	74	110414	56.092	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154289	47.944	ug/l	93
10) Methyl Iodide	3.94	142	179257	40.689	ug/l #	89
11) Tert butyl alcohol	4.82	59	93474	336.164	ug/l	98
12) 1,1-Dichloroethene	3.73	96	167997	53.983	ug/l #	75
13) Acrolein	3.61	56	67609	271.980	ug/l	96
14) Allyl chloride	4.32	41	387059	50.495	ug/l #	90
15) Acrylonitrile	5.00	53	478032	309.296	ug/l	99
16) Acetone	3.82	43	337150	264.919	ug/l #	83
17) Carbon Disulfide	4.04	76	517146	51.235	ug/l	98
18) Methyl Acetate	4.33	43	217193	65.812	ug/l #	87
19) Methyl tert-butyl Ether	5.06	73	641093	58.892	ug/l	95
20) Methylene Chloride	4.54	84	240731	53.625	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	222371	54.401	ug/l #	83
22) Diisopropyl ether	5.96	45	878245	57.929	ug/l #	93
23) Vinyl Acetate	5.90	43	3196171	302.942	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	454936	56.253	ug/l	98
25) 2-Butanone	6.85	43	600577	319.247	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	148416	26.183	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	259359	56.167	ug/l	93
28) Bromochloromethane	7.19	49	225163	55.679	ug/l #	70
29) Tetrahydrofuran	7.22	42	410594	314.245	ug/l #	84
30) Chloroform	7.37	83	442456	57.375	ug/l	100
31) Cyclohexane	7.65	56	403971	55.028	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	363960	56.951	ug/l	96
36) 1,1-Dichloropropene	7.79	75	325655	50.527	ug/l	95
37) Ethyl Acetate	6.94	43	272686	57.694	ug/l	96
38) Carbon Tetrachloride	7.77	117	314406	50.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	317423	44.797	ug/l	88
40) Benzene	8.04	78	985061	53.413	ug/l	100
41) Methacrylonitrile	7.18	41	152143	57.303	ug/l	89
42) 1,2-Dichloroethane	8.13	62	355433	53.976	ug/l	97
43) Isopropyl Acetate	8.17	43	459593	59.845	ug/l #	94
44) Trichloroethene	8.83	130	247308	51.658	ug/l	93
45) 1,2-Dichloropropane	9.12	63	276146	52.513	ug/l	99
46) Dibromomethane	9.21	93	159062	53.770	ug/l	90
47) Bromodichloromethane	9.40	83	338308	55.028	ug/l	95
48) Methyl methacrylate	9.20	41	234253	56.270	ug/l #	86
49) 1,4-Dioxane	9.21	88	50982	1234.238	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1334095	308.978	ug/l	93
52) Toluene	10.16	92	583621	53.183	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	286104	49.471	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	347954	50.367	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	223740	54.832	ug/l	96
56) Ethyl methacrylate	10.43	69	309977	57.910	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	384245	54.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	585794	253.890	ug/l	89
59) 2-Hexanone	10.75	43	822461	297.555	ug/l	92
60) Dibromochloromethane	10.90	129	235397	56.950	ug/l	100
61) 1,2-Dibromoethane	11.01	107	215781	55.335	ug/l	99
64) Tetrachloroethene	10.63	164	244402	53.028	ug/l	97
65) Chlorobenzene	11.44	112	599605	50.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239911	54.507	ug/l	99
67) Ethyl Benzene	11.51	91	1086058	51.181	ug/l	97
68) m/p-Xylenes	11.62	106	792800	100.957	ug/l	93
69) o-Xylene	11.95	106	394094	51.178	ug/l	96
70) Styrene	11.96	104	657262	53.382	ug/l	96
71) Bromoform	12.13	173	146580	56.846	ug/l #	100
73) Isopropylbenzene	12.25	105	1028312	48.651	ug/l	98
74) N-amyl acetate	12.07	43	364984	55.427	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	277741	59.949	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	245148m	54.570	ug/l	
77) Bromobenzene	12.53	156	258824	50.738	ug/l	86
78) n-propylbenzene	12.59	91	1130686	48.671	ug/l	96
79) 2-Chlorotoluene	12.68	91	698958	48.632	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	832478	48.000	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	48362	41.874	ug/l #	82
82) 4-Chlorotoluene	12.77	91	687461	49.246	ug/l	93
83) tert-Butylbenzene	12.99	119	718747	53.639	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	834149	50.485	ug/l	97
85) sec-Butylbenzene	13.17	105	885961	47.025	ug/l	97
86) p-Isopropyltoluene	13.29	119	765016	46.039	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	419148	49.077	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	406914	48.577	ug/l	98
89) n-Butylbenzene	13.62	91	607847	44.835	ug/l	97
90) Hexachloroethane	13.88	117	136716	48.459	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	421733	48.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42410	58.693	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198940	47.874	ug/l	99
94) Hexachlorobutadiene	15.01	225	107702	43.490	ug/l	99
95) Naphthalene	15.13	128	483913	51.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	204358	48.695	ug/l	98

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

