

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054757.D
 Acq On : 28 Mar 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:53 AM

Quant Time: Mar 29 07:47:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	692738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	266603	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	216616	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.09	98	783494	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.40	95	273987	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	216088	54.981	ug/l	99
3) Chloromethane	2.06	50	309701	57.916	ug/l	98
4) Vinyl Chloride	2.19	62	271304	50.533	ug/l	99
5) Bromomethane	2.57	94	157621	45.403	ug/l	98
6) Chloroethane	2.71	64	148248	46.037	ug/l	98
7) Trichlorofluoromethane	3.02	101	337269	51.729	ug/l	97
8) Diethyl Ether	3.41	74	110223	43.957	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	173208	45.203	ug/l	94
10) Methyl Iodide	3.95	142	269005	47.725	ug/l #	89
11) Tert butyl alcohol	4.82	59	80891	261.278	ug/l	99
12) 1,1-Dichloroethene	3.73	96	172340	43.460	ug/l #	74
13) Acrolein	3.61	56	84311	197.335	ug/l	96
14) Allyl chloride	4.32	41	430455	57.646	ug/l #	91
15) Acrylonitrile	4.99	53	438923	284.689	ug/l	99
16) Acetone	3.82	43	304677	198.171	ug/l #	81
17) Carbon Disulfide	4.04	76	558807	52.593	ug/l	99
18) Methyl Acetate	4.33	43	197427	57.612	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	614516	53.100	ug/l	93
20) Methylene Chloride	4.54	84	249516	55.055	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	226683	55.982	ug/l #	82
22) Diisopropyl ether	5.96	45	867187	58.876	ug/l #	93
23) Vinyl Acetate	5.90	43	3134891	301.358	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	460000	58.004	ug/l	98
25) 2-Butanone	6.85	43	540523	274.451	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	306427	54.204	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	263333	54.523	ug/l	88
28) Bromochloromethane	7.19	49	212488	54.434	ug/l #	70
29) Tetrahydrofuran	7.22	42	366198	286.527	ug/l #	84
30) Chloroform	7.37	83	440218	56.880	ug/l	98
31) Cyclohexane	7.65	56	436204	57.688	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	367546	57.563	ug/l	95
36) 1,1-Dichloropropene	7.79	75	340385	52.552	ug/l	94
37) Ethyl Acetate	6.94	43	245617	53.316	ug/l	95
38) Carbon Tetrachloride	7.77	117	320549	50.927	ug/l	98

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

39) Methylcyclohexane	9.08	83	365807	49.372	ug/l #	87
40) Benzene	8.04	78	992466	53.584	ug/l	100
41) Methacrylonitrile	7.18	41	139036	49.489	ug/l	89
42) 1,2-Dichloroethane	8.13	62	351050	52.044	ug/l	97
43) Isopropyl Acetate	8.17	43	430677	55.356	ug/l #	93
44) Trichloroethene	8.84	130	254680	49.458	ug/l	93
45) 1,2-Dichloropropane	9.12	63	279991	56.297	ug/l	100
46) Dibromomethane	9.21	93	157140	52.962	ug/l	88
47) Bromodichloromethane	9.40	83	334987	54.401	ug/l	98
48) Methyl methacrylate	9.20	41	220233	52.154	ug/l #	86
49) 1,4-Dioxane	9.20	88	45751	969.128	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1184133	274.625	ug/l	92
52) Toluene	10.16	92	589898	51.783	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329066	50.630	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	389798	55.209	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	217172	53.035	ug/l	96
56) Ethyl methacrylate	10.43	69	297668	54.159	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	380257	53.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	580629	256.551	ug/l #	89
59) 2-Hexanone	10.75	43	732355	260.030	ug/l	91
60) Dibromochloromethane	10.90	129	231164	53.051	ug/l	99
61) 1,2-Dibromoethane	11.01	107	210157	51.912	ug/l	99
64) Tetrachloroethene	10.63	164	239302	48.069	ug/l	95
65) Chlorobenzene	11.43	112	617792	50.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237336	54.168	ug/l	100
67) Ethyl Benzene	11.51	91	1130832	52.443	ug/l	97
68) m/p-Xylenes	11.62	106	840498	102.907	ug/l	96
69) o-Xylene	11.95	106	409996	51.401	ug/l	97
70) Styrene	11.96	104	686877	53.028	ug/l	96
71) Bromoform	12.13	173	141018	46.831	ug/l #	100
73) Isopropylbenzene	12.25	105	1078848	49.319	ug/l	98
74) N-amyl acetate	12.07	43	361696	57.505	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	262262	52.520	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	204001m	47.357	ug/l	
77) Bromobenzene	12.53	156	263805	48.625	ug/l	84
78) n-propylbenzene	12.59	91	1207161	50.891	ug/l	96
79) 2-Chlorotoluene	12.67	91	726066	49.085	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	887928	49.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58974	47.374	ug/l #	83
82) 4-Chlorotoluene	12.77	91	726086	50.641	ug/l	96
83) tert-Butylbenzene	12.99	119	756162	48.454	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	884416	50.274	ug/l	98
85) sec-Butylbenzene	13.17	105	968156	49.766	ug/l	96
86) p-Isopropyltoluene	13.29	119	863085	49.589	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	451779	50.250	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	437612	50.027	ug/l	98
89) n-Butylbenzene	13.62	91	714420	52.495	ug/l	97
90) Hexachloroethane	13.87	117	144853	53.617	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	449725	51.644	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40005	54.619	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222956	51.359	ug/l	99
94) Hexachlorobutadiene	15.01	225	134129	55.253	ug/l	99
95) Naphthalene	15.13	128	484777	50.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	218224	50.508	ug/l	99

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

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