

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058843.D
 Acq On : 18 Oct 2019 8:53
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:43 AM

Quant Time: Oct 19 00:00:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	357236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	591218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	221904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4351	0.980	ug/l	97
3) Chloromethane	2.04	50	6184	1.158	ug/l	93
4) Vinyl Chloride	2.17	62	5404	1.017	ug/l	98
6) Chloroethane	2.69	64	3779	1.147	ug/l #	83
7) Trichlorofluoromethane	3.00	101	6619	1.027	ug/l	95
8) Diethyl Ether	3.39	74	2443	1.049	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4016	1.108	ug/l #	68
12) 1,1-Dichloroethene	3.72	96	3568	1.035	ug/l #	77
14) Allyl chloride	4.30	41	6588	0.943	ug/l	96
15) Acrylonitrile	4.96	53	9144	4.406	ug/l #	84
16) Acetone	3.79	43	11868	5.441	ug/l	97
17) Carbon Disulfide	4.03	76	11607	1.047	ug/l	99
18) Methyl Acetate	4.30	43	6605	1.240	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	11533	0.938	ug/l	99
20) Methylene Chloride	4.52	84	5164	1.188	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	3763	0.977	ug/l	85
22) Diisopropyl ether	5.92	45	11759	0.864	ug/l #	81
23) Vinyl Acetate	5.87	43	47802	4.351	ug/l	99
24) 1,1-Dichloroethane	5.82	63	8582	1.112	ug/l #	85
25) 2-Butanone	6.82	43	15140	4.919	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	7268m	1.033	ug/l	
27) cis-1,2-Dichloroethene	6.81	96	4287	0.952	ug/l	98
28) Bromochloromethane	7.18	49	2798	1.044	ug/l #	100
29) Tetrahydrofuran	7.19	42	8907	4.521	ug/l #	91
30) Chloroform	7.35	83	9155	1.177	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	6673	1.009	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	5639	0.934	ug/l	94
37) Ethyl Acetate	6.91	43	5690m	0.922	ug/l	
38) Carbon Tetrachloride	7.75	117	6191	1.052	ug/l	98
39) Methylcyclohexane	9.07	83	5640	0.809	ug/l	93
40) Benzene	8.02	78	16886	0.972	ug/l	100
41) Methacrylonitrile	7.16	41	3096	1.105	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	6788	1.018	ug/l	82
43) Isopropyl Acetate	8.15	43	9072	0.869	ug/l #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	3945	0.919	ug/l	98
45) 1,2-Dichloropropane	9.10	63	4689	1.007	ug/l	92
46) Dibromomethane	9.19	93	2952	1.003	ug/l	95
47) Bromodichloromethane	9.39	83	5939	0.989	ug/l #	85
48) Methyl methacrylate	9.19	41	3839	0.809	ug/l	94
49) 1,4-Dioxane	9.19	88	1290	17.478	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	24749	4.195	ug/l	96
52) Toluene	10.15	92	8558	0.807	ug/l	88
53) t-1,3-Dichloropropene	10.38	75	6016	0.874	ug/l #	63
54) cis-1,3-Dichloropropene	9.83	75	6408	0.875	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	4145	0.954	ug/l	94
56) Ethyl methacrylate	10.43	69	4242	0.668	ug/l #	85
57) 1,3-Dichloropropane	10.70	76	6996	0.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	9880	3.292	ug/l	96
59) 2-Hexanone	10.75	43	18292	3.999	ug/l	91
60) Dibromochloromethane	10.90	129	4080	0.910	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3947	0.906	ug/l	96
64) Tetrachloroethene	10.63	164	3992	1.055	ug/l	99
65) Chlorobenzene	11.43	112	10306	0.939	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	3798	0.935	ug/l #	61
67) Ethyl Benzene	11.51	91	16245	0.830	ug/l	100
68) m/p-Xylenes	11.62	106	11256	1.534	ug/l	99
69) o-Xylene	11.95	106	5514	0.777	ug/l	97
70) Styrene	11.96	104	7822	0.673	ug/l	98
71) Bromoform	12.13	173	2947	0.983	ug/l #	96
73) Isopropylbenzene	12.25	105	16167	0.999	ug/l	100
74) N-amyl acetate	12.07	43	5607	0.765	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	6089	1.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	5124m	1.026	ug/l	
77) Bromobenzene	12.53	156	3965	1.005	ug/l	88
78) n-propylbenzene	12.59	91	18881	1.000	ug/l	95
79) 2-Chlorotoluene	12.68	91	11995	1.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	12334	0.892	ug/l	99
82) 4-Chlorotoluene	12.78	91	11468	0.954	ug/l	95
83) tert-Butylbenzene	12.99	119	10593	0.895	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10905	0.794	ug/l	91
85) sec-Butylbenzene	13.18	105	13825	0.885	ug/l	98
86) p-Isopropyltoluene	13.29	119	11533	0.815	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	6413	0.885	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	6933m	0.939	ug/l	
89) n-Butylbenzene	13.62	91	9985	0.763	ug/l	99
90) Hexachloroethane	13.88	117	2780	1.087	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	6788	0.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1462	1.161	ug/l	66
93) 1,2,4-Trichlorobenzene	14.92	180	2803	0.655	ug/l	96
94) Hexachlorobutadiene	15.02	225	2308	1.015	ug/l	96
95) Naphthalene	15.13	128	7013	0.571	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	2973	0.710	ug/l	93

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

