

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054463.D
 Acq On : 20 Mar 2019 14:18
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:17:25 PM

Quant Time: Mar 20 14:41:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	542610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	831129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	693125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254046	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	1.85	85	5108	0.993	ug/l	94
3) Chloromethane	2.06	50	7338	1.469	ug/l	97
4) Vinyl Chloride	2.19	62	7131	1.249	ug/l	92
5) Bromomethane	2.58	94	5744	1.453	ug/l	84
6) Chloroethane	2.71	64	4646	1.345	ug/l	96
7) Trichlorofluoromethane	3.02	101	8512	1.121	ug/l	98
8) Diethyl Ether	3.42	74	3705	1.071	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.75	101	5438	0.956	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	5837	1.035	ug/l	89
14) Allyl chloride	4.32	41	10773	1.489	ug/l #	77
15) Acrylonitrile	5.00	53	9891	6.095	ug/l #	75
16) Acetone	3.82	43	10893	6.602	ug/l #	83
17) Carbon Disulfide	4.05	76	16214	1.147	ug/l	99
18) Methyl Acetate	4.33	43	5024m	1.505	ug/l	
19) Methyl tert-butyl Ether	5.05	73	15270	1.093	ug/l	98
20) Methylene Chloride	4.55	84	6586	1.216	ug/l #	87
21) trans-1,2-Dichloroethene	5.04	96	5168	0.957	ug/l	86
22) Diisopropyl ether	5.97	45	18853m	1.306	ug/l	
23) Vinyl Acetate	5.90	43	58515	5.498	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	10287	1.110	ug/l #	95
25) 2-Butanone	6.86	43	10116	5.224	ug/l	100
26) 2,2-Dichloropropane	6.82	77	7286	0.894	ug/l	86
27) cis-1,2-Dichloroethene	6.83	96	6544	1.086	ug/l	91
28) Bromochloromethane	7.19	49	5015	1.324	ug/l #	72
29) Tetrahydrofuran	7.23	42	6858	5.508	ug/l #	81
30) Chloroform	7.36	83	10172	1.052	ug/l	98
31) Cyclohexane	7.66	56	20518	2.057	ug/l #	63
32) 1,1,1-Trichloroethane	7.57	97	7287	0.834	ug/l #	43
36) 1,1-Dichloropropene	7.79	75	8686	1.135	ug/l	93
37) Ethyl Acetate	6.95	43	4970m	1.130	ug/l	
38) Carbon Tetrachloride	7.77	117	8389	1.045	ug/l	85
39) Methylcyclohexane	9.08	83	9544	1.013	ug/l	90
40) Benzene	8.04	78	22254	1.016	ug/l	96
41) Methacrylonitrile	7.18	41	4159	1.656	ug/l #	48

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	8658	1.171	ug/l	93
43) Isopropyl Acetate	8.17	43	8507	1.102	ug/l #	92
44) Trichloroethene	8.83	130	6495	0.955	ug/l	97
45) 1,2-Dichloropropane	9.12	63	5655	1.040	ug/l	99
46) Dibromomethane	9.21	93	3472	0.945	ug/l	92
47) Bromodichloromethane	9.40	83	6991	0.949	ug/l #	97
48) Methyl methacrylate	9.20	41	5224	1.333	ug/l #	69
49) 1,4-Dioxane	9.20	88	1107	19.977	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	21984	5.381	ug/l	94
52) Toluene	10.16	92	13584	0.978	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5586	0.745	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	7177	0.836	ug/l #	86
55) 1,1,2-Trichloroethane	10.56	97	4784	0.943	ug/l	95
56) Ethyl methacrylate	10.43	69	5550	0.918	ug/l #	67
57) 1,3-Dichloropropane	10.71	76	8272	0.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	11168	4.876	ug/l #	88
59) 2-Hexanone	10.76	43	14475	5.325	ug/l	93
60) Dibromochloromethane	10.90	129	4240	0.743	ug/l	91
61) 1,2-Dibromoethane	11.00	107	4337	0.842	ug/l	95
64) Tetrachloroethene	10.63	164	6409	0.956	ug/l	94
65) Chlorobenzene	11.43	112	14439	0.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	4491	0.812	ug/l #	58
67) Ethyl Benzene	11.51	91	25222	1.000	ug/l	99
68) m/p-Xylenes	11.62	106	18471	1.873	ug/l	94
69) o-Xylene	11.95	106	9440	0.982	ug/l	94
70) Styrene	11.96	104	14070	0.933	ug/l	95
71) Bromoform	12.13	173	2346	0.641	ug/l #	91
73) Isopropylbenzene	12.25	105	24291	1.195	ug/l	98
74) N-amyl acetate	12.08	43	5038	1.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	5020	1.159	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	4568m	1.223	ug/l	
77) Bromobenzene	12.52	156	6030	1.121	ug/l	89
78) n-propylbenzene	12.59	91	25146	1.140	ug/l	96
79) 2-Chlorotoluene	12.68	91	17004	1.282	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	19235	1.138	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.29	75	967	0.885	ug/l #	79
82) 4-Chlorotoluene	12.77	91	14979	1.131	ug/l	95
83) tert-Butylbenzene	12.99	119	17195	1.105	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	18424	1.111	ug/l	94
85) sec-Butylbenzene	13.17	105	21774	1.079	ug/l	98
86) p-Isopropyltoluene	13.29	119	18571	1.049	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	9430	1.041	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	9393m	1.055	ug/l	
89) n-Butylbenzene	13.62	91	13181	0.980	ug/l	99
90) Hexachloroethane	13.87	117	2510	0.856	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	8904	1.005	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	583	0.870	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	4110	0.898	ug/l	95
94) Hexachlorobutadiene	15.01	225	3687	1.093	ug/l	91
95) Naphthalene	15.13	128	8917	0.947	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	4182	0.888	ug/l #	82

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

