

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053396.D
 Acq On : 15 Jan 2019 9:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:34 AM

Quant Time: Jan 16 02:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	934378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1399593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1257362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	570772	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	6987	0.930	ug/l	93
3) Chloromethane	2.06	50	10953	1.020	ug/l	95
4) Vinyl Chloride	2.19	62	10168	0.982	ug/l	100
5) Bromomethane	2.57	94	7470	1.052	ug/l	100
6) Chloroethane	2.71	64	6204	0.991	ug/l #	87
7) Trichlorofluoromethane	3.03	101	13255	0.979	ug/l	99
8) Diethyl Ether	3.42	74	4309	0.847	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.77	101	8419	0.982	ug/l	95
12) 1,1-Dichloroethene	3.74	96	8074	0.971	ug/l	93
14) Allyl chloride	4.33	41	12175	0.901	ug/l	97
15) Acrylonitrile	4.99	53	12135	4.080	ug/l #	93
16) Acetone	3.82	43	11738	5.417	ug/l #	87
17) Carbon Disulfide	4.06	76	24595	0.978	ug/l	99
18) Methyl Acetate	4.33	43	7286	0.998	ug/l #	86
19) Methyl tert-butyl Ether	5.04	73	19159	0.867	ug/l	99
20) Methylene Chloride	4.55	84	10006	1.011	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	8430	0.948	ug/l	96
22) Diisopropyl ether	5.95	45	25214	0.894	ug/l #	88
23) Vinyl Acetate	5.90	43	69263	3.994	ug/l	97
24) 1,1-Dichloroethane	5.85	63	15898	0.953	ug/l	99
25) 2-Butanone	6.84	43	14415	4.317	ug/l	99
26) 2,2-Dichloropropane	6.83	77	11649	0.925	ug/l #	75
27) cis-1,2-Dichloroethene	6.84	96	9300m	0.914	ug/l	
28) Bromochloromethane	7.20	49	7727	1.052	ug/l #	96
29) Tetrahydrofuran	7.21	42	9581	4.408	ug/l	90
30) Chloroform	7.37	83	15154	0.933	ug/l	98
31) Cyclohexane	7.66	56	27858	1.500	ug/l #	23
32) 1,1,1-Trichloroethane	7.57	97	13011	0.944	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	11685	0.917	ug/l	97
37) Ethyl Acetate	6.94	43	6607m	0.894	ug/l	
38) Carbon Tetrachloride	7.77	117	11690	0.969	ug/l	98
39) Methylcyclohexane	9.08	83	14808	0.940	ug/l	93
40) Benzene	8.04	78	36365	0.939	ug/l	99
41) Methacrylonitrile	7.17	41	2763	0.604	ug/l #	100

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

42) 1,2-Dichloroethane	8.12	62	10560	0.936	ug/l	99
43) Isopropyl Acetate	8.16	43	9732	0.707	ug/l #	91
44) Trichloroethene	8.84	130	10246	0.954	ug/l	99
45) 1,2-Dichloropropane	9.12	63	9939	0.969	ug/l	95
46) Dibromomethane	9.21	93	5805	0.985	ug/l	93
47) Bromodichloromethane	9.40	83	11773	0.950	ug/l	92
48) Methyl methacrylate	9.20	41	5901	0.867	ug/l	96
49) 1,4-Dioxane	9.19	88	1339	20.138	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	29204	4.057	ug/l	94
52) Toluene	10.15	92	21821	0.907	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	10443	0.831	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	12972	0.881	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	7268	0.877	ug/l	91
56) Ethyl methacrylate	10.43	69	7944	2.705	ug/l #	96
57) 1,3-Dichloropropane	10.71	76	12618	0.880	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	24322	4.194	ug/l	99
59) 2-Hexanone	10.75	43	22170	4.387	ug/l	90
60) Dibromochloromethane	10.90	129	8469	0.901	ug/l	99
61) 1,2-Dibromoethane	11.01	107	7120	0.849	ug/l	94
64) Tetrachloroethene	10.63	164	12543	1.059	ug/l	92
65) Chlorobenzene	11.43	112	24941	0.937	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	8806	0.951	ug/l #	65
67) Ethyl Benzene	11.51	91	41433	0.913	ug/l	94
68) m/p-Xylenes	11.62	106	29603	1.729	ug/l	94
69) o-Xylene	11.95	106	14466	0.869	ug/l	98
70) Styrene	11.96	104	21500	0.796	ug/l	97
71) Bromoform	12.13	173	5092	0.799	ug/l #	96
73) Isopropylbenzene	12.25	105	37462	0.896	ug/l	97
74) N-amyl acetate	12.07	43	9628	0.864	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	8173	0.932	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	6886m	0.958	ug/l	
77) Bromobenzene	12.53	156	10091	0.916	ug/l	97
78) n-propylbenzene	12.59	91	42449	0.885	ug/l	100
79) 2-Chlorotoluene	12.67	91	26810	0.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	29093	0.855	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	1936	3.152	ug/l #	77
82) 4-Chlorotoluene	12.77	91	25653	0.885	ug/l	98
83) tert-Butylbenzene	12.99	119	25784	0.858	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	28672	0.836	ug/l	96
85) sec-Butylbenzene	13.17	105	35305	0.857	ug/l	99
86) p-Isopropyltoluene	13.29	119	30152	0.843	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	17728	0.915	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	19554m	1.006	ug/l	
89) n-Butylbenzene	13.61	91	26434	0.867	ug/l	98
90) Hexachloroethane	13.88	117	4863	0.867	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	16658	0.935	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	972	0.874	ug/l	88
93) 1,2,4-Trichlorobenzene	14.91	180	5289	3.402	ug/l	98
94) Hexachlorobutadiene	15.01	225	5368	0.965	ug/l	92
95) Naphthalene	15.13	128	7167	4.417	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3533	4.470	ug/l	97

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

