

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059584.D
 Acq On : 13 Dec 2019 15:38
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:48:43 PM

Quant Time: Dec 13 17:44:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	150618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	246516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	215927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	88077	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	2001	1.117	ug/l	92
3) Chloromethane	2.04	50	3999	1.458	ug/l	99
4) Vinyl Chloride	2.17	62	3352	1.253	ug/l	91
6) Chloroethane	2.69	64	2069	1.304	ug/l	93
7) Trichlorofluoromethane	2.99	101	3516	1.104	ug/l	96
8) Diethyl Ether	3.39	74	1038m	0.958	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	1487m	0.905	ug/l	
12) 1,1-Dichloroethene	3.72	96	1541	0.959	ug/l	92
14) Allyl chloride	4.29	41	3614	1.172	ug/l #	86
15) Acrylonitrile	4.97	53	4802	5.101	ug/l #	20
16) Acetone	3.80	43	9017	8.481	ug/l	96
17) Carbon Disulfide	4.03	76	8667	1.468	ug/l #	93
18) Methyl Acetate	4.30	43	3371	1.273	ug/l #	78
19) Methyl tert-butyl Ether	5.01	73	5390	1.010	ug/l	98
20) Methylene Chloride	4.52	84	2391	1.174	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	1931	1.123	ug/l #	59
22) Diisopropyl ether	5.92	45	5694	0.971	ug/l	95
23) Vinyl Acetate	5.87	43	22459	4.622	ug/l	96
24) 1,1-Dichloroethane	5.81	63	3673	1.102	ug/l #	85
25) 2-Butanone	6.81	43	7359	5.336	ug/l	97
26) 2,2-Dichloropropane	6.80	77	3045	1.010	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	1811	0.935	ug/l	67
28) Bromochloromethane	7.17	49	847	0.780	ug/l #	46
29) Tetrahydrofuran	7.19	42	4666	4.958	ug/l #	78
30) Chloroform	7.34	83	3366	1.024	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	2880	0.987	ug/l #	53
36) 1,1-Dichloropropene	7.77	75	2659	1.035	ug/l	94
37) Ethyl Acetate	6.91	43	2839	1.061	ug/l #	69
38) Carbon Tetrachloride	7.75	117	2709	1.067	ug/l	95
39) Methylcyclohexane	9.07	83	2499	0.868	ug/l	89
40) Benzene	8.02	78	7869	1.070	ug/l #	90
41) Methacrylonitrile	7.15	41	1073m	0.856	ug/l	
42) 1,2-Dichloroethane	8.10	62	3101	1.130	ug/l #	78
43) Isopropyl Acetate	8.15	43	4362	0.980	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.81	130	2146	1.152	ug/l	98
45) 1,2-Dichloropropane	9.10	63	2133	1.096	ug/l	97
46) Dibromomethane	9.19	93	1309	1.015	ug/l	95
47) Bromodichloromethane	9.39	83	2555	0.998	ug/l #	97
48) Methyl methacrylate	9.19	41	2172	1.112	ug/l #	84
49) 1,4-Dioxane	9.18	88	547	20.933	ug/l #	75
51) 4-Methyl-2-Pentanone	9.98	43	11874	4.589	ug/l	100
52) Toluene	10.14	92	4317	0.984	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	3095	1.037	ug/l #	84
54) cis-1,3-Dichloropropene	9.83	75	2999	0.980	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	1693	0.954	ug/l	92
56) Ethyl methacrylate	10.42	69	1784	0.680	ug/l #	69
57) 1,3-Dichloropropane	10.70	76	3501	1.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	8561	10.306	ug/l	96
59) 2-Hexanone	10.75	43	9381	4.784	ug/l	98
60) Dibromochloromethane	10.90	129	1712	0.890	ug/l	90
61) 1,2-Dibromoethane	11.00	107	1880	1.019	ug/l	87
64) Tetrachloroethene	10.62	164	2113	1.261	ug/l	93
65) Chlorobenzene	11.43	112	5230	1.134	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.50	131	1488	0.864	ug/l #	41
67) Ethyl Benzene	11.51	91	8411	1.015	ug/l	94
68) m/p-Xylenes	11.62	106	5822	1.897	ug/l	97
69) o-Xylene	11.94	106	2879	1.005	ug/l	100
70) Styrene	11.96	104	4416	0.931	ug/l	98
71) Bromoform	12.13	173	1359	1.018	ug/l #	81
73) Isopropylbenzene	12.25	105	7291	1.059	ug/l	92
74) N-amyl acetate	12.07	43	3312	1.098	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	2434	1.059	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	2942m	1.269	ug/l	
77) Bromobenzene	12.53	156	1933	1.145	ug/l	94
78) n-propylbenzene	12.59	91	8441	1.009	ug/l	98
79) 2-Chlorotoluene	12.67	91	5493	1.100	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	6087	1.045	ug/l	96
82) 4-Chlorotoluene	12.77	91	5846	1.149	ug/l	96
83) tert-Butylbenzene	12.99	119	5379	1.109	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	5858	1.019	ug/l	99
85) sec-Butylbenzene	13.17	105	7203	1.084	ug/l	98
86) p-Isopropyltoluene	13.29	119	6610	1.115	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	3728	1.205	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	4387	1.451	ug/l	86
89) n-Butylbenzene	13.62	91	6808	1.218	ug/l	95
90) Hexachloroethane	13.87	117	1465	1.337	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	3885	1.333	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1452m	2.492	ug/l	
93) 1,2,4-Trichlorobenzene	14.91	180	3310	1.669	ug/l	96
94) Hexachlorobutadiene	15.01	225	2131	2.129	ug/l	89
95) Naphthalene	15.13	128	12720	2.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	4247	2.084	ug/l	90

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

