

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055034.D
 Acq On : 15 Apr 2019 9:15
 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
 4/17/2019 1:48:41 PM

Quant Time: Apr 15 12:13:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	420677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	679306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	562620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164986	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	4930	1.062 ug/l	96
3) Chloromethane	2.06	50	6856	1.102 ug/l	97
4) Vinyl Chloride	2.19	62	5828	1.154 ug/l	99
5) Bromomethane	2.56	94	3403	1.164 ug/l	98
6) Chloroethane	2.70	64	3069	1.102 ug/l	93
7) Trichlorofluoromethane	3.02	101	7094	1.120 ug/l	86
8) Diethyl Ether	3.41	74	2383	1.196 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3698m	1.119 ug/l	
12) 1,1-Dichloroethene	3.72	96	3912	1.203 ug/l #	63
14) Allyl chloride	4.32	41	8891m	1.119 ug/l	
15) Acrylonitrile	5.00	53	8418	4.698 ug/l #	84
16) Acetone	3.82	43	8224	5.671 ug/l	97
17) Carbon Disulfide	4.03	76	12422	1.173 ug/l	98
18) Methyl Acetate	4.33	43	6864	1.527 ug/l #	91
19) Methyl tert-butyl Ether	5.05	73	12228m	1.052 ug/l	
20) Methylene Chloride	4.54	84	6625	1.247 ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	5089	1.188 ug/l	89
22) Diisopropyl ether	5.95	45	16883	1.048 ug/l #	86
23) Vinyl Acetate	5.90	43	47207	4.189 ug/l	99
24) 1,1-Dichloroethane	5.84	63	9274	1.066 ug/l #	94
25) 2-Butanone	6.85	43	9602	4.299 ug/l	91
26) 2,2-Dichloropropane	6.81	77	5164	0.897 ug/l #	68
27) cis-1,2-Dichloroethene	6.82	96	5228m	1.050 ug/l	
28) Bromochloromethane	7.20	49	4563m	1.105 ug/l	
29) Tetrahydrofuran	7.22	42	7437	5.079 ug/l	94
30) Chloroform	7.37	83	9468	1.141 ug/l	92
31) Cyclohexane	7.66	56	16321	1.704 ug/l #	40
32) 1,1,1-Trichloroethane	7.56	97	7260	1.098 ug/l #	51
36) 1,1-Dichloropropene	7.79	75	7296	1.162 ug/l #	89
37) Ethyl Acetate	6.94	43	6506m	1.380 ug/l	
38) Carbon Tetrachloride	7.77	117	7380	1.249 ug/l #	83
39) Methylcyclohexane	9.08	83	7335	1.021 ug/l	99
40) Benzene	8.04	78	19521	1.028 ug/l	91
41) Methacrylonitrile	7.17	41	2829	0.975 ug/l #	53

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

42) 1,2-Dichloroethane	8.13	62	6977	1.045	ug/l	98
43) Isopropyl Acetate	8.17	43	7191	0.892	ug/l #	94
44) Trichloroethene	8.83	130	4680	0.965	ug/l	96
45) 1,2-Dichloropropane	9.12	63	5658	1.056	ug/l	90
46) Dibromomethane	9.21	93	2987	0.973	ug/l	93
47) Bromodichloromethane	9.40	83	6493	1.040	ug/l	87
48) Methyl methacrylate	9.20	41	3595	0.866	ug/l	97
49) 1,4-Dioxane	9.20	88	643m	14.402	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	20569	4.359	ug/l	98
52) Toluene	10.15	92	10396	0.926	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5023	0.889	ug/l #	88
54) cis-1,3-Dichloropropene	9.84	75	6303	0.905	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4301	1.029	ug/l	90
56) Ethyl methacrylate	10.43	69	4229	0.786	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	6654	0.922	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	7341	3.487	ug/l	95
59) 2-Hexanone	10.75	43	12742	4.321	ug/l	92
60) Dibromochloromethane	10.90	129	3647	0.876	ug/l	96
61) 1,2-Dibromoethane	11.01	107	3654	0.913	ug/l	97
64) Tetrachloroethene	10.63	164	5425	1.233	ug/l	91
65) Chlorobenzene	11.43	112	11781	1.086	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	4526	1.132	ug/l #	60
67) Ethyl Benzene	11.51	91	20335	1.020	ug/l	96
68) m/p-Xylenes	11.62	106	13775	1.889	ug/l	98
69) o-Xylene	11.95	106	6398	0.887	ug/l	84
70) Styrene	11.97	104	10219	0.893	ug/l	96
71) Bromoform	12.13	173	2055	0.851	ug/l #	96
73) Isopropylbenzene	12.25	105	17676	1.260	ug/l	100
74) N-amyl acetate	12.07	43	3964	0.938	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	4889	1.346	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	3708m	1.222	ug/l	
77) Bromobenzene	12.52	156	4590	1.332	ug/l	87
78) n-propylbenzene	12.59	91	18605	1.217	ug/l	94
79) 2-Chlorotoluene	12.67	91	11574	1.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	13678	1.198	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.31	75	682m	0.927	ug/l	
82) 4-Chlorotoluene	12.77	91	9729	1.066	ug/l	99
83) tert-Butylbenzene	12.99	119	11773	1.203	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	11909	1.088	ug/l	97
85) sec-Butylbenzene	13.17	105	15021	1.203	ug/l	97
86) p-Isopropyltoluene	13.29	119	12388	1.140	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	5704	1.018	ug/l	89
88) 1,4-Dichlorobenzene	13.36	146	5334	0.995	ug/l	82
89) n-Butylbenzene	13.61	91	8393	0.984	ug/l	95
90) Hexachloroethane	13.87	117	2269	1.264	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	5872	1.079	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	506	1.071	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	2071	0.904	ug/l	92
94) Hexachlorobutadiene	15.01	225	1929	1.017	ug/l	95
95) Naphthalene	15.13	128	4072	0.759	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	2014	0.821	ug/l	98

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

