

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054772.D
 Acq On : 29 Mar 2019 16:13
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:14 PM

Quant Time: Mar 30 03:32:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	394546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	675761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286917	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	216837	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.09	98	800068	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.40	95	243666	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	4733	1.186	ug/l	91
3) Chloromethane	2.06	50	6022	1.091	ug/l	91
4) Vinyl Chloride	2.19	62	5408	1.091	ug/l	96
5) Bromomethane	2.58	94	3785	Below Cal		92
6) Chloroethane	2.71	64	3122	1.128	ug/l	89
7) Trichlorofluoromethane	3.02	101	7018	1.152	ug/l	98
8) Diethyl Ether	3.42	74	2500	1.274	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3519	1.097	ug/l #	55
10) Methyl Iodide	3.94	142	3483	0.793	ug/l	99
11) Tert butyl alcohol	4.82	59	877	3.165	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	3705	1.195	ug/l #	80
13) Acrolein	3.62	56	77	0.311	ug/l #	14
14) Allyl chloride	4.32	41	8867	1.161	ug/l #	87
15) Acrylonitrile	4.99	53	8521	5.532	ug/l #	76
16) Acetone	3.83	43	10376	8.181	ug/l #	66
17) Carbon Disulfide	4.04	76	11812	1.174	ug/l #	85
18) Methyl Acetate	4.33	43	5490	0.757	ug/l #	77
19) Methyl tert-butyl Ether	5.06	73	11547	1.064	ug/l	98
20) Methylene Chloride	4.54	84	6424	1.436	ug/l #	86
21) trans-1,2-Dichloroethene	5.03	96	2421	0.594	ug/l	87
22) Diisopropyl ether	5.97	45	16347m	1.082	ug/l	
23) Vinyl Acetate	5.90	43	52418	4.985	ug/l #	89
24) 1,1-Dichloroethane	5.85	63	8686	1.078	ug/l #	92
25) 2-Butanone	6.85	43	10962	5.847	ug/l #	76
26) 2,2-Dichloropropane	6.82	77	5721	1.013	ug/l	84
27) cis-1,2-Dichloroethene	6.83	96	4503	0.979	ug/l	70
28) Bromochloromethane	7.20	49	4555	1.130	ug/l #	67
29) Tetrahydrofuran	7.24	42	8250m	6.336	ug/l	
30) Chloroform	7.37	83	7983	1.039	ug/l	91
31) Cyclohexane	7.65	56	16618	0.211	ug/l #	67
32) 1,1,1-Trichloroethane	7.57	97	6254	0.982	ug/l #	40
36) 1,1-Dichloropropene	7.80	75	6072	0.964	ug/l	97
37) Ethyl Acetate	6.95	43	4243	0.919	ug/l #	69
38) Carbon Tetrachloride	7.77	117	6889	1.126	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	7511	1.085	ug/l	95
40) Benzene	8.04	78	17847	0.991	ug/l	98
41) Methacrylonitrile	7.19	41	2348	0.905	ug/l #	40
42) 1,2-Dichloroethane	8.13	62	7467	1.161	ug/l	88
43) Isopropyl Acetate	8.18	43	7945	1.059	ug/l #	73
44) Trichloroethene	8.83	130	4889	1.045	ug/l	90
45) 1,2-Dichloropropane	9.12	63	5263	1.024	ug/l	99
46) Dibromomethane	9.21	93	2812	0.973	ug/l	88
47) Bromodichloromethane	9.40	83	5614	0.935	ug/l	98
48) Methyl methacrylate	9.20	41	3120	0.767	ug/l #	91
49) 1,4-Dioxane	9.20	88	897	22.228	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	22830	5.412	ug/l	97
52) Toluene	10.16	92	10572	0.986	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	4430	0.784	ug/l	89
54) cis-1,3-Dichloropropene	9.84	75	5807	0.860	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	3809	0.955	ug/l #	91
56) Ethyl methacrylate	10.43	69	4664	0.892	ug/l #	55
57) 1,3-Dichloropropane	10.71	76	6838	0.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	8531	13.985	ug/l	94
59) 2-Hexanone	10.75	43	14139	5.236	ug/l	83
60) Dibromochloromethane	10.90	129	3531	0.874	ug/l	98
61) 1,2-Dibromoethane	11.01	107	3683	0.967	ug/l	100
64) Tetrachloroethene	10.63	164	4734	1.084	ug/l	91
65) Chlorobenzene	11.44	112	10461	0.939	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	3848	0.922	ug/l #	59
67) Ethyl Benzene	11.51	91	18974	0.943	ug/l	98
68) m/p-Xylenes	11.62	106	14160	1.903	ug/l	98
69) o-Xylene	11.95	106	6767	0.927	ug/l	93
70) Styrene	11.97	104	10021	0.859	ug/l	96
71) Bromoform	12.13	173	1988	0.814	ug/l #	60
73) Isopropylbenzene	12.25	105	17971	1.088	ug/l	97
74) N-amyl acetate	12.07	43	4098	0.796	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5176	Below Cal	#	89
76) 1,2,3-Trichloropropane	12.55	75	4506m	1.283	ug/l	
77) Bromobenzene	12.53	156	4204	1.054	ug/l	72
78) n-propylbenzene	12.59	91	18811	1.036	ug/l	94
79) 2-Chlorotoluene	12.67	91	12393	1.103	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	13874	1.023	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	834m	0.924	ug/l	
82) 4-Chlorotoluene	12.77	91	11263	1.032	ug/l	97
83) tert-Butylbenzene	12.99	119	13665	Below Cal		97
84) 1,2,4-Trimethylbenzene	13.04	105	13030	1.009	ug/l	97
85) sec-Butylbenzene	13.17	105	15427	1.047	ug/l	95
86) p-Isopropyltoluene	13.29	119	13529	1.041	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	6690	1.002	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	7140m	1.090	ug/l	
89) n-Butylbenzene	13.62	91	9026	0.852	ug/l	98
90) Hexachloroethane	13.87	117	1923	0.872	ug/l #	42
91) 1,2-Dichlorobenzene	13.65	146	7126	1.058	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	290	0.513	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2604	0.802 ug/l	92
94) Hexachlorobutadiene	15.00	225	2107	Below Cal	94
95) Naphthalene	15.13	128	6877	0.944 ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	3326	1.014 ug/l	87

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

