

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054205.D
 Acq On : 13 Mar 2019 11:43
 Operator : JC/SP
 Sample : K1560-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:04 AM

Quant Time: Mar 14 06:38:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1539667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2235847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1942494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	789528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	818981	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	732282	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.09	98	2682302	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	872560	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7208	0.494	ug/l	97
3) Chloromethane	2.06	50	8867	0.626	ug/l	98
4) Vinyl Chloride	2.19	62	10211	0.630	ug/l	97
5) Bromomethane	2.57	94	13448	1.199	ug/l	97
6) Chloroethane	2.71	64	6995	0.714	ug/l #	84
7) Trichlorofluoromethane	3.02	101	13565	0.630	ug/l	89
8) Diethyl Ether	3.41	74	6168m	0.628	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.75	101	8696	0.539	ug/l #	57
10) Methyl Iodide	3.94	142	28578	2.706	ug/l	97
11) Tert butyl alcohol	4.82	59	12004	10.709	ug/l	100
12) 1,1-Dichloroethene	3.73	96	8471	0.530	ug/l	96
13) Acrolein	3.61	56	12641	11.901	ug/l	85
14) Allyl chloride	4.31	41	8744	0.426	ug/l #	71
15) Acrylonitrile	5.00	53	11514m	2.501	ug/l	
16) Acetone	3.82	43	15955	3.408	ug/l #	86
17) Carbon Disulfide	4.04	76	19479	0.486	ug/l #	94
18) Methyl Acetate	4.33	43	5744	0.606	ug/l #	78
19) Methyl tert-butyl Ether	5.05	73	21019	0.530	ug/l	96
20) Methylene Chloride	4.54	84	10186m	0.663	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	7835	0.511	ug/l	97
22) Diisopropyl ether	5.96	45	19704	0.481	ug/l	88
23) Vinyl Acetate	5.90	43	54867	1.817	ug/l	99
24) 1,1-Dichloroethane	5.84	63	13884	0.528	ug/l	94
25) 2-Butanone	6.85	43	11807	2.149	ug/l	91
26) 2,2-Dichloropropane	6.82	77	10594	0.458	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	9375	0.548	ug/l	95
28) Bromochloromethane	7.19	49	5407	0.503	ug/l #	88
29) Tetrahydrofuran	7.22	42	8914	2.523	ug/l	95
30) Chloroform	7.37	83	14192	0.517	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	12461	0.503	ug/l #	50
36) 1,1-Dichloropropene	7.79	75	13471	0.654	ug/l #	80
37) Ethyl Acetate	6.94	43	7785m	0.658	ug/l	
38) Carbon Tetrachloride	7.77	117	13209	0.612	ug/l	92
39) Methylcyclohexane	9.08	83	13573	0.536	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	31337	0.532	ug/l	93
41) Methacrylonitrile	7.18	41	2079	0.308	ug/l #	72
42) 1,2-Dichloroethane	8.13	62	11210	0.564	ug/l	95
43) Isopropyl Acetate	8.17	43	9178	0.442	ug/l	96
44) Trichloroethene	8.84	130	10543	0.576	ug/l	89
45) 1,2-Dichloropropane	9.12	63	7809	0.534	ug/l #	82
46) Dibromomethane	9.21	93	5484	0.555	ug/l	92
47) Bromodichloromethane	9.40	83	9981	0.504	ug/l	94
48) Methyl methacrylate	9.20	41	5599	0.531	ug/l	88
49) 1,4-Dioxane	9.21	88	1306	8.761	ug/l #	74
51) 4-Methyl-2-Pentanone	9.99	43	26668	2.427	ug/l	98
52) Toluene	10.16	92	20822	0.557	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	9321	2.381	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	10737	0.465	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	7300	0.535	ug/l	92
56) Ethyl methacrylate	10.43	69	7883	0.485	ug/l	93
57) 1,3-Dichloropropane	10.71	76	11069	0.496	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	15227	18.841	ug/l	97
59) 2-Hexanone	10.75	43	16813	2.299	ug/l	97
60) Dibromochloromethane	10.90	129	6554	0.427	ug/l	99
61) 1,2-Dibromoethane	11.01	107	7185	0.518	ug/l	99
64) Tetrachloroethene	10.63	164	10881	0.579	ug/l	86
65) Chlorobenzene	11.43	112	23862	0.559	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	8000	0.516	ug/l #	62
67) Ethyl Benzene	11.51	91	39279	0.556	ug/l	97
68) m/p-Xylenes	11.62	106	27687	1.002	ug/l	94
69) o-Xylene	11.95	106	14914	0.554	ug/l	90
70) Stvrene	11.96	104	21129	0.500	ug/l	94
71) Bromoform	12.13	173	3889	2.664	ug/l #	97
73) Isopropylbenzene	12.25	105	38680	0.612	ug/l	97
74) N-amyl acetate	12.07	43	6706	0.478	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	7785	0.578	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	6828m	0.588	ug/l	
77) Bromobenzene	12.53	156	9404	0.563	ug/l	91
78) n-propylbenzene	12.59	91	39732	0.580	ug/l	99
79) 2-Chlorotoluene	12.67	91	25130	0.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	29257	0.557	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1192m	0.351	ug/l	
82) 4-Chlorotoluene	12.77	91	24044	0.584	ug/l	96
83) tert-Butylbenzene	12.99	119	27523	0.569	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	28473	0.552	ug/l	97
85) sec-Butylbenzene	13.17	105	36723	0.586	ug/l	99
86) p-Isopropyltoluene	13.29	119	29187	0.530	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	16572	0.588	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	15829m	0.572	ug/l	
89) n-Butylbenzene	13.62	91	20448	0.489	ug/l	99
90) Hexachloroethane	13.88	117	4331	0.475	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	16137	0.586	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1002	0.481	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	6385	2.881	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	6812	0.650	ug/l	97
95) Naphthalene	15.14	128	13558	3.834	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	6834	0.467	ug/l	93

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

