

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054965.D
 Acq On : 5 Apr 2019 10:53
 Operator : JC/SP
 Sample : K2241-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:34:06 AM

Quant Time: Apr 06 00:02:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	394592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	678768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	574299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	278100	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
35) Dibromofluoromethane	7.59	113	217851	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.09	98	802427	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	238107	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	4201	0.890	ug/l	96
3) Chloromethane	2.06	50	5907	0.947	ug/l	96
4) Vinyl Chloride	2.19	62	5620	1.031	ug/l	96
5) Bromomethane	2.57	94	3644	1.171	ug/l	100
6) Chloroethane	2.71	64	2875	0.946	ug/l	99
7) Trichlorofluoromethane	3.03	101	6499	0.982	ug/l	95
8) Diethyl Ether	3.41	74	2356	1.118	ug/l #	41
9) 1,1,2-Trichlorotrifluoroet	3.76	101	3693	1.053	ug/l	92
10) Methyl Iodide	3.94	142	4119m	0.833	ug/l	
11) Tert butyl alcohol	4.84	59	1132m	4.216	ug/l	
12) 1,1-Dichloroethene	3.74	96	3277	0.942	ug/l #	92
13) Acrolein	3.60	56	250	4.767	ug/l #	58
14) Allyl chloride	4.33	41	7850	1.017	ug/l	94
15) Acrylonitrile	5.00	53	7905m	4.910	ug/l	
16) Acetone	3.82	43	7061	Below Cal		98
17) Carbon Disulfide	4.04	76	10117	0.914	ug/l	98
18) Methyl Acetate	4.33	43	3864	Below Cal	#	77
19) Methyl tert-butyl Ether	5.06	73	10592	0.939	ug/l	100
20) Methylene Chloride	4.54	84	5576	1.155	ug/l	86
21) trans-1,2-Dichloroethene	5.03	96	3514	0.809	ug/l #	75
22) Diisopropyl ether	5.95	45	16053m	1.013	ug/l	
23) Vinyl Acetate	5.90	43	44812	4.062	ug/l #	95
24) 1,1-Dichloroethane	5.85	63	8795	1.017	ug/l	96
25) 2-Butanone	6.86	43	7458	3.818	ug/l #	82
26) 2,2-Dichloropropane	6.83	77	5383	0.888	ug/l #	72
27) cis-1,2-Dichloroethene	6.84	96	5271m	1.070	ug/l	
28) Bromochloromethane	7.20	49	4080m	1.007	ug/l	
29) Tetrahydrofuran	7.22	42	5840	4.561	ug/l #	82
30) Chloroform	7.37	83	8146	0.994	ug/l	99
31) Cyclohexane	7.66	56	15874	0.369	ug/l #	32
32) 1,1,1-Trichloroethane	7.57	97	6695	0.968	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	6560	0.975	ug/l	91
37) Ethyl Acetate	6.94	43	4290m	0.929	ug/l	
38) Carbon Tetrachloride	7.77	117	6612	1.018	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	6994	0.945	ug/l	97
40) Benzene	8.04	78	17485	0.904	ug/l	97
41) Methacrylonitrile	7.18	41	1895	0.718	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	6699	0.985	ug/l	98
43) Isopropyl Acetate	8.17	43	6931	0.891	ug/l	96
44) Trichloroethene	8.83	130	4587	0.927	ug/l	90
45) 1,2-Dichloropropane	9.12	63	5022	0.931	ug/l	89
46) Dibromomethane	9.20	93	2886	0.944	ug/l	96
47) Bromodichloromethane	9.41	83	5121	0.797	ug/l	92
48) Methyl methacrylate	9.20	41	3432	0.872	ug/l	91
49) 1,4-Dioxane	9.21	88	796	20.028	ug/l #	74
51) 4-Methyl-2-Pentanone	9.99	43	18502	4.264	ug/l	99
52) Toluene	10.15	92	10552	0.925	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	3965	2.600	ug/l #	81
54) cis-1,3-Dichloropropene	9.84	75	5530	0.765	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	3841	0.929	ug/l	94
56) Ethyl methacrylate	10.43	69	4431	0.819	ug/l	97
57) 1,3-Dichloropropane	10.71	76	6516	0.902	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	7187	12.729	ug/l	98
59) 2-Hexanone	10.76	43	10222	3.771	ug/l	99
60) Dibromochloromethane	10.90	129	3146	0.726	ug/l	94
61) 1,2-Dibromoethane	11.01	107	3393	0.873	ug/l	100
64) Tetrachloroethene	10.63	164	4352	0.940	ug/l	93
65) Chlorobenzene	11.43	112	11220	0.958	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.51	131	3595	0.839	ug/l #	59
67) Ethyl Benzene	11.51	91	18627	0.883	ug/l	96
68) m/p-Xylenes	11.62	106	13859	1.796	ug/l	89
69) o-Xylene	11.95	106	6912	0.918	ug/l	93
70) Styrene	11.96	104	10202	0.845	ug/l	93
71) Bromoform	12.12	173	2119	0.823	ug/l #	92
73) Isopropylbenzene	12.25	105	16795	1.036	ug/l	98
74) N-amyl acetate	12.07	43	4043	0.898	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	4353	Below Cal		100
76) 1,2,3-Trichloropropane	12.56	75	4074m	Below Cal		
77) Bromobenzene	12.53	156	4187	1.067	ug/l	98
78) n-propylbenzene	12.59	91	17975	1.007	ug/l	100
79) 2-Chlorotoluene	12.67	91	11782	1.065	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	14107	1.060	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	616m	0.742	ug/l	
82) 4-Chlorotoluene	12.77	91	10986	1.050	ug/l	95
83) tert-Butylbenzene	12.99	119	12189	1.077	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	12361	0.960	ug/l	98
85) sec-Butylbenzene	13.17	105	13535	0.924	ug/l	96
86) p-Isopropyltoluene	13.29	119	12037	0.954	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6298	0.965	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	6717	1.081	ug/l	95
89) n-Butylbenzene	13.62	91	8209	0.814	ug/l	96
90) Hexachloroethane	13.88	117	2093	0.988	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	6424	1.002	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	713	1.285	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2206	3.080	ug/l	90
94) Hexachlorobutadiene	15.01	225	2562	1.195	ug/l	91
95) Naphthalene	15.14	128	4608	3.467	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.31	180	2593	0.881	ug/l	95

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

