

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054964.D
 Acq On : 5 Apr 2019 10:27
 Operator : JC/SP
 Sample : K2241-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-MDL-WATER-03-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:34:05 AM

Quant Time: Apr 05 23:57:07 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	7.66	168	420471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	697254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	597021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197261	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	304768	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	7.59	113	242537	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.09	98	887789	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	262330	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	2692	0.535	ug/l	92
3) Chloromethane	2.06	50	3615	0.544	ug/l	98
4) Vinyl Chloride	2.19	62	3301	0.568	ug/l	93
5) Bromomethane	2.57	94	3453	1.041	ug/l	81
6) Chloroethane	2.71	64	1992	0.615	ug/l	99
7) Trichlorofluoromethane	3.03	101	4122	0.585	ug/l #	84
8) Diethyl Ether	3.42	74	986	0.439	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	2283	0.611	ug/l #	70
10) Methyl Iodide	3.94	142	10512	1.996	ug/l	95
11) Tert butyl alcohol	4.81	59	1933	6.757	ug/l	97
12) 1,1-Dichloroethene	3.74	96	2267	0.612	ug/l #	63
13) Acrolein	3.61	56	2986	10.936	ug/l #	76
14) Allyl chloride	4.32	41	4767	0.580	ug/l #	74
15) Acrylonitrile	5.00	53	4032	2.350	ug/l #	68
16) Acetone	3.82	43	5009	Below Cal		92
17) Carbon Disulfide	4.05	76	7432	0.630	ug/l	99
18) Methyl Acetate	4.33	43	3337	Below Cal		92
19) Methyl tert-butyl Ether	5.06	73	6287	0.523	ug/l	99
20) Methylene Chloride	4.55	84	3360	0.653	ug/l	89
21) trans-1,2-Dichloroethene	5.03	96	2536m	0.548	ug/l	
22) Diisopropyl ether	5.96	45	9810	0.581	ug/l #	94
23) Vinyl Acetate	5.91	43	24007	2.042	ug/l	100
24) 1,1-Dichloroethane	5.84	63	5159	0.560	ug/l #	85
25) 2-Butanone	6.87	43	5082	2.441	ug/l #	84
26) 2,2-Dichloropropane	6.82	77	3233	0.501	ug/l #	71
27) cis-1,2-Dichloroethene	6.82	96	2898	0.552	ug/l	96
28) Bromochloromethane	7.20	49	2397m	0.555	ug/l	
29) Tetrahydrofuran	7.23	42	3933m	2.883	ug/l	
30) Chloroform	7.38	83	4812	0.551	ug/l	96
31) Cyclohexane	7.66	56	13399	Below Cal	#	6
32) 1,1,1-Trichloroethane	7.57	97	3938m	0.534	ug/l	
36) 1,1-Dichloropropene	7.80	75	4315m	0.625	ug/l	
37) Ethyl Acetate	6.96	43	1931m	0.407	ug/l	
38) Carbon Tetrachloride	7.77	117	4268	0.640	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4118	0.542	ug/l	91
40) Benzene	8.04	78	10945	0.551	ug/l	98
41) Methacrylonitrile	7.17	41	725	0.267	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	4532	0.649	ug/l	84
43) Isopropyl Acetate	8.17	43	4596	0.575	ug/l #	84
44) Trichloroethene	8.83	130	2810	0.553	ug/l	96
45) 1,2-Dichloropropane	9.12	63	2530	0.457	ug/l	95
46) Dibromomethane	9.21	93	1495	0.476	ug/l #	81
47) Bromodichloromethane	9.41	83	3455	0.524	ug/l #	90
48) Methyl methacrylate	9.20	41	1541	0.381	ug/l #	57
49) 1,4-Dioxane	9.21	88	437	10.704	ug/l #	42
51) 4-Methyl-2-Pentanone	9.99	43	11521	2.585	ug/l	99
52) Toluene	10.15	92	6073	0.518	ug/l	89
53) t-1,3-Dichloropropene	10.38	75	2831	2.425	ug/l #	71
54) cis-1,3-Dichloropropene	9.84	75	3442	0.464	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	2393	0.563	ug/l	94
56) Ethyl methacrylate	10.43	69	2354	0.424	ug/l #	79
57) 1,3-Dichloropropane	10.71	76	3710	0.500	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	4328	11.539	ug/l	98
59) 2-Hexanone	10.76	43	5884	2.113	ug/l	96
60) Dibromochloromethane	10.90	129	1895	0.426	ug/l	94
61) 1,2-Dibromoethane	11.01	107	2271	0.569	ug/l #	76
64) Tetrachloroethene	10.63	164	2508	0.521	ug/l #	77
65) Chlorobenzene	11.43	112	6511	0.535	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	2102	0.472	ug/l #	64
67) Ethyl Benzene	11.51	91	11009	0.502	ug/l	97
68) m/p-Xylenes	11.62	106	8268	1.031	ug/l	96
69) o-Xylene	11.95	106	3694	0.472	ug/l	96
70) Styrene	11.96	104	5850	0.466	ug/l	93
71) Bromoform	12.12	173	1040	0.388	ug/l #	100
73) Isopropylbenzene	12.25	105	10043	0.603	ug/l	97
74) N-amyl acetate	12.08	43	2307	0.498	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	2662	Below Cal	#	83
76) 1,2,3-Trichloropropane	12.55	75	2604m	Below Cal		
77) Bromobenzene	12.53	156	2499	0.619	ug/l	91
78) n-propylbenzene	12.59	91	10913	0.594	ug/l	99
79) 2-Chlorotoluene	12.68	91	6970	0.613	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7779	0.568	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.31	75	322m	0.377	ug/l	
82) 4-Chlorotoluene	12.77	91	5982	0.556	ug/l	99
83) tert-Butylbenzene	12.99	119	7211	0.619	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	7141	0.539	ug/l	93
85) sec-Butylbenzene	13.17	105	8872	0.589	ug/l	100
86) p-Isopropyltoluene	13.29	119	7585	0.585	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	3761	0.560	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	3943m	0.617	ug/l	
89) n-Butylbenzene	13.61	91	4903	0.473	ug/l	93
90) Hexachloroethane	13.88	117	1153	0.529	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3932	0.597	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	1664	2.913	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	1317	0.597	ug/l	87
95) Naphthalene	15.13	128	3313	3.287	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	1897	0.627	ug/l	63

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

