

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054311.D
 Acq On : 15 Mar 2019 15:58
 Operator : JC/SP
 Sample : VN0315WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:04 AM

Quant Time: Mar 16 03:56:34 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	7.67	168	1403270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2111427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1820497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	800125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	721463	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.59	113	675051	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.09	98	2418289	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	802381	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	249607	18.768	ug/l	97
3) Chloromethane	2.06	50	231483	17.918	ug/l	99
4) Vinyl Chloride	2.19	62	272716	18.470	ug/l	99
5) Bromomethane	2.57	94	183460	17.940	ug/l	95
6) Chloroethane	2.71	64	163511	18.302	ug/l	97
7) Trichlorofluoromethane	3.02	101	348000	17.727	ug/l	97
8) Diethyl Ether	3.41	74	183189	20.477	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	282463	19.201	ug/l	98
10) Methyl Iodide	3.94	142	399340	20.039	ug/l	98
11) Tert butyl alcohol	4.83	59	103765	101.566	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	285183	19.562	ug/l	94
13) Acrolein	3.61	56	65892	68.063	ug/l	98
14) Allyl chloride	4.31	41	336702	18.001	ug/l	99
15) Acrylonitrile	4.99	53	448923	106.972	ug/l	100
16) Acetone	3.82	43	352374	82.581	ug/l	99
17) Carbon Disulfide	4.04	76	596296	16.316	ug/l	99
18) Methyl Acetate	4.33	43	206085	23.872	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	738044	20.424	ug/l	98
20) Methylene Chloride	4.54	84	280345	20.009	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	268011	19.187	ug/l	97
22) Diisopropyl ether	5.96	45	724862	19.417	ug/l	98
23) Vinyl Acetate	5.90	43	2599155	94.431	ug/l	99
24) 1,1-Dichloroethane	5.85	63	466472	19.461	ug/l	99
25) 2-Butanone	6.85	43	522867	104.403	ug/l	99
26) 2,2-Dichloropropane	6.82	77	329663	15.639	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	310578	19.931	ug/l	95
28) Bromochloromethane	7.19	49	196687	20.072	ug/l	95
29) Tetrahydrofuran	7.22	42	343166	106.571	ug/l	97
30) Chloroform	7.37	83	499886	19.986	ug/l	99
31) Cyclohexane	7.65	56	410741	17.532	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	427760	18.936	ug/l	99
36) 1,1-Dichloropropene	7.79	75	360297	18.530	ug/l	98
37) Ethyl Acetate	6.94	43	230462	20.628	ug/l	99
38) Carbon Tetrachloride	7.77	117	365317	17.916	ug/l	100

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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)
39) Methylcyclohexane	9.08	83	402304	16.816	ug/l	98
40) Benzene	8.04	78	1088641	19.565	ug/l	100
41) Methacrylonitrile	7.18	41	130572	20.468	ug/l	98
42) 1,2-Dichloroethane	8.13	62	363890	19.371	ug/l	97
43) Isopropyl Acetate	8.17	43	374746	19.109	ug/l	98
44) Trichloroethene	8.83	130	339546	19.644	ug/l	98
45) 1,2-Dichloropropane	9.12	63	278448	20.153	ug/l	98
46) Dibromomethane	9.21	93	186842	20.015	ug/l	98
47) Bromodichloromethane	9.40	83	354243	18.929	ug/l	99
48) Methyl methacrylate	9.20	41	203947	20.493	ug/l	97
49) 1,4-Dioxane	9.20	88	64418	457.603	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1106735	106.640	ug/l	98
52) Toluene	10.16	92	694129	19.674	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	318471	16.273	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	395050	18.115	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	268520	20.844	ug/l	97
56) Ethyl methacrylate	10.43	69	305560	19.892	ug/l	95
57) 1,3-Dichloropropane	10.71	76	426624	20.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	623404	104.078	ug/l	99
59) 2-Hexanone	10.75	43	700714	101.470	ug/l	98
60) Dibromochloromethane	10.90	129	268853	18.542	ug/l	99
61) 1,2-Dibromoethane	11.01	107	270856	20.690	ug/l	100
64) Tetrachloroethene	10.63	164	342124	19.437	ug/l	99
65) Chlorobenzene	11.43	112	799444	19.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	283217	19.504	ug/l	98
67) Ethyl Benzene	11.51	91	1281311	19.337	ug/l	100
68) m/p-Xylenes	11.62	106	1012349	39.089	ug/l	98
69) o-Xylene	11.95	106	507195	20.090	ug/l	97
70) Styrene	11.96	104	769846	19.443	ug/l	100
71) Bromoform	12.13	173	174014	17.332	ug/l #	99
73) Isopropylbenzene	12.25	105	1307556	20.426	ug/l	100
74) N-amyl acetate	12.07	43	298904	21.036	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	310502	22.766	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	254915m	21.665	ug/l	
77) Bromobenzene	12.53	156	354459	20.925	ug/l	96
78) n-propylbenzene	12.59	91	1342961	19.334	ug/l	99
79) 2-Chlorotoluene	12.67	91	846619	20.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1045696	19.639	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53819	15.636	ug/l	89
82) 4-Chlorotoluene	12.77	91	824325	19.766	ug/l	99
83) tert-Butylbenzene	12.99	119	948076	19.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035768	19.828	ug/l	100
85) sec-Butylbenzene	13.17	105	1177128	18.520	ug/l	100
86) p-Isopropyltoluene	13.29	119	1014961	18.202	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	572622	20.061	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	549309	19.590	ug/l	98
89) n-Butylbenzene	13.62	91	721472	17.029	ug/l	99
90) Hexachloroethane	13.88	117	146243	15.839	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	586302	21.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44345	21.012	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	266375	17.533	ug/l	97
94) Hexachlorobutadiene	15.01	225	176362	16.593	ug/l	99
95) Naphthalene	15.13	128	611662	19.690	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	274856	18.539	ug/l	99

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

