

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054256.D
 Acq On : 14 Mar 2019 12:42
 Operator : JC/SP
 Sample : VN0314WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:14 AM

Quant Time: Mar 15 07:17:03 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	1394866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2144411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1896434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	906300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	757790	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.59	113	694427	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.09	98	2522734	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	880698	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	277997	21.029	ug/l	99
3) Chloromethane	2.06	50	243442	18.958	ug/l	99
4) Vinyl Chloride	2.19	62	288115	19.630	ug/l	99
5) Bromomethane	2.58	94	191073	18.797	ug/l	99
6) Chloroethane	2.71	64	170611	19.212	ug/l	99
7) Trichlorofluoromethane	3.02	101	380722	19.510	ug/l	100
8) Diethyl Ether	3.41	74	188334	21.179	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	318379	21.772	ug/l	100
10) Methyl Iodide	3.94	142	291742	15.125	ug/l	99
11) Tert butyl alcohol	4.82	59	89943	88.567	ug/l	100
12) 1,1-Dichloroethene	3.73	96	307805	21.241	ug/l	97
13) Acrolein	3.61	56	68157	70.827	ug/l	98
14) Allyl chloride	4.32	41	351937	18.929	ug/l	98
15) Acrylonitrile	4.99	53	436264	104.582	ug/l	100
16) Acetone	3.82	43	396230	93.419	ug/l	99
17) Carbon Disulfide	4.04	76	642777	17.694	ug/l	100
18) Methyl Acetate	4.33	43	191126	22.273	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	735112	20.466	ug/l	99
20) Methylene Chloride	4.54	84	285767	20.519	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	278011	20.023	ug/l	97
22) Diisopropyl ether	5.96	45	756294	20.381	ug/l	99
23) Vinyl Acetate	5.90	43	2704835	98.862	ug/l	100
24) 1,1-Dichloroethane	5.84	63	489150	20.530	ug/l	100
25) 2-Butanone	6.85	43	515986	103.650	ug/l	100
26) 2,2-Dichloropropane	6.82	77	385025	18.376	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	323341	20.875	ug/l	99
28) Bromochloromethane	7.19	49	190945	19.603	ug/l	97
29) Tetrahydrofuran	7.22	42	318162	99.402	ug/l	98
30) Chloroform	7.37	83	519815	20.908	ug/l	100
31) Cyclohexane	7.65	56	457405	19.792	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	447259	19.919	ug/l	99
36) 1,1-Dichloropropene	7.79	75	384582	19.474	ug/l	100
37) Ethyl Acetate	6.94	43	228483	20.136	ug/l	99
38) Carbon Tetrachloride	7.77	117	387067	18.690	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	479797	19.747	ug/l	99
40) Benzene	8.04	78	1144506	20.253	ug/l	98
41) Methacrylonitrile	7.18	41	112002	17.287	ug/l	89
42) 1,2-Dichloroethane	8.13	62	391489	20.519	ug/l	100
43) Isopropyl Acetate	8.17	43	369125	18.533	ug/l	99
44) Trichloroethene	8.84	130	355439	20.247	ug/l	100
45) 1,2-Dichloropropane	9.12	63	288295	20.545	ug/l	99
46) Dibromomethane	9.21	93	189903	20.030	ug/l	97
47) Bromodichloromethane	9.40	83	375447	19.753	ug/l	100
48) Methyl methacrylate	9.20	41	200854	19.871	ug/l	98
49) 1,4-Dioxane	9.20	88	56285	393.679	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1065073	101.047	ug/l	100
52) Toluene	10.16	92	727402	20.300	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	347225	17.324	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	418898	18.913	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	266247	20.350	ug/l	99
56) Ethyl methacrylate	10.43	69	313855	20.118	ug/l	99
57) 1,3-Dichloropropane	10.71	76	433311	20.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	588933	97.986	ug/l	100
59) 2-Hexanone	10.75	43	685770	97.778	ug/l	99
60) Dibromochloromethane	10.90	129	277524	18.845	ug/l	100
61) 1,2-Dibromoethane	11.01	107	267464	20.116	ug/l	99
64) Tetrachloroethene	10.63	164	357019	19.471	ug/l	98
65) Chlorobenzene	11.43	112	841887	20.218	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	289743	19.154	ug/l	97
67) Ethyl Benzene	11.51	91	1359416	19.694	ug/l	99
68) m/p-Xylenes	11.62	106	1070834	39.692	ug/l	100
69) o-Xylene	11.95	106	525677	19.988	ug/l	99
70) Styrene	11.96	104	813058	19.712	ug/l	99
71) Bromoform	12.13	173	176367	16.926	ug/l #	99
73) Isopropylbenzene	12.25	105	1405774	19.387	ug/l	100
74) N-amyl acetate	12.07	43	300491	18.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	299275	19.372	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	248809m	18.669	ug/l	
77) Bromobenzene	12.53	156	368812	19.222	ug/l	98
78) n-propylbenzene	12.59	91	1534051	19.498	ug/l	100
79) 2-Chlorotoluene	12.68	91	913432	19.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1159656	19.227	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55845	14.324	ug/l #	83
82) 4-Chlorotoluene	12.77	91	911520	19.297	ug/l	99
83) tert-Butylbenzene	12.99	119	1070186	19.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1156626	19.548	ug/l	99
85) sec-Butylbenzene	13.17	105	1391189	19.324	ug/l	100
86) p-Isopropyltoluene	13.29	119	1222848	19.361	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	630757	19.509	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	623176	19.621	ug/l	99
89) n-Butylbenzene	13.62	91	946530	19.723	ug/l	100
90) Hexachloroethane	13.88	117	177331	16.956	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	624982	19.774	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43584	18.232	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	335229	19.200	ug/l	99
94) Hexachlorobutadiene	15.01	225	237496	19.727	ug/l	100
95) Naphthalene	15.13	128	646206	18.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	337838	20.118	ug/l	100

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

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