

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054452.D
 Acq On : 19 Mar 2019 20:39
 Operator : JC/SP
 Sample : VN0319WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:57 PM

Quant Time: Mar 20 05:00:27 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	1275546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2064520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1756876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	779090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	650563	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	642696	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.09	98	2352286	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	777268	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	238493	19.728	ug/l	96
3) Chloromethane	2.06	50	233399	19.876	ug/l	99
4) Vinyl Chloride	2.19	62	247105	18.411	ug/l	99
5) Bromomethane	2.57	94	163040	17.539	ug/l	96
6) Chloroethane	2.71	64	143845	17.713	ug/l	96
7) Trichlorofluoromethane	3.02	101	310537	17.402	ug/l	98
8) Diethyl Ether	3.41	74	168590	20.732	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	251156	18.782	ug/l	99
10) Methyl Iodide	3.94	142	374628	20.634	ug/l	98
11) Tert butyl alcohol	4.81	59	96399	103.804	ug/l	97
12) 1,1-Dichloroethene	3.73	96	249171	18.803	ug/l	99
13) Acrolein	3.61	56	59697	67.839	ug/l	96
14) Allyl chloride	4.31	41	342412	20.139	ug/l	94
15) Acrylonitrile	5.00	53	466418	122.270	ug/l	99
16) Acetone	3.82	43	277756	71.612	ug/l	98
17) Carbon Disulfide	4.04	76	542442	16.329	ug/l	99
18) Methyl Acetate	4.33	43	215704	27.488	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	756219	23.023	ug/l	100
20) Methylene Chloride	4.54	84	287525	22.576	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	272907	21.494	ug/l	96
22) Diisopropyl ether	5.96	45	765685	22.564	ug/l	96
23) Vinyl Acetate	5.90	43	2578669	103.067	ug/l	98
24) 1,1-Dichloroethane	5.85	63	484555	22.240	ug/l	99
25) 2-Butanone	6.85	43	498550	109.516	ug/l	94
26) 2,2-Dichloropropane	6.82	77	272301	14.212	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	319505	22.557	ug/l	94
28) Bromochloromethane	7.19	49	191154	21.461	ug/l	95
29) Tetrahydrofuran	7.22	42	336107	114.831	ug/l	95
30) Chloroform	7.37	83	500268	22.004	ug/l	100
31) Cyclohexane	7.65	56	418255	19.791	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	408401	19.890	ug/l	99
36) 1,1-Dichloropropene	7.79	75	365411	19.220	ug/l	100
37) Ethyl Acetate	6.94	43	222315	20.350	ug/l	98
38) Carbon Tetrachloride	7.77	117	350673	17.588	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	397247	16.982	ug/l	97
40) Benzene	8.04	78	1138531	20.927	ug/l	99
41) Methacrylonitrile	7.17	41	111400	17.860	ug/l	88
42) 1,2-Dichloroethane	8.12	62	346169	18.846	ug/l	96
43) Isopropyl Acetate	8.17	43	368913	19.239	ug/l	95
44) Trichloroethene	8.83	130	331299	19.602	ug/l	100
45) 1,2-Dichloropropane	9.12	63	291743	21.595	ug/l	100
46) Dibromomethane	9.21	93	183187	20.069	ug/l	99
47) Bromodichloromethane	9.40	83	346886	18.957	ug/l	96
48) Methyl methacrylate	9.20	41	195505	20.091	ug/l	90
49) 1,4-Dioxane	9.20	88	61214	444.723	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1092205	107.631	ug/l	94
52) Toluene	10.16	92	709858	20.577	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315463	16.460	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	399014	18.712	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	271438	21.549	ug/l	99
56) Ethyl methacrylate	10.43	69	324466	21.603	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	437838	21.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	628007	106.719	ug/l	99
59) 2-Hexanone	10.75	43	684411	101.361	ug/l	93
60) Dibromochloromethane	10.90	129	270624	19.088	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269327	21.040	ug/l	99
64) Tetrachloroethene	10.63	164	328648	19.348	ug/l	99
65) Chlorobenzene	11.43	112	808076	20.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	285051	20.341	ug/l	98
67) Ethyl Benzene	11.51	91	1298810	20.311	ug/l	100
68) m/p-Xylenes	11.62	106	1033647	41.357	ug/l	96
69) o-Xylene	11.95	106	520988	21.383	ug/l	95
70) Styrene	11.96	104	801729	20.981	ug/l	99
71) Bromoform	12.13	173	173592	17.837	ug/l #	98
73) Isopropylbenzene	12.25	105	1316010	21.113	ug/l	99
74) N-amyl acetate	12.07	43	300632	21.729	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	312929	23.564	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	252147m	22.008	ug/l	
77) Bromobenzene	12.53	156	361255	21.902	ug/l	96
78) n-propylbenzene	12.59	91	1369297	20.246	ug/l	99
79) 2-Chlorotoluene	12.67	91	848354	20.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1053786	20.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50755	15.144	ug/l	89
82) 4-Chlorotoluene	12.77	91	832677	20.506	ug/l	99
83) tert-Butylbenzene	12.99	119	961956	20.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1053005	20.702	ug/l	99
85) sec-Butylbenzene	13.17	105	1183234	19.119	ug/l	99
86) p-Isopropyltoluene	13.29	119	1028615	18.945	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	575391	20.703	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	554219	20.299	ug/l	99
89) n-Butylbenzene	13.61	91	729796	17.690	ug/l	99
90) Hexachloroethane	13.87	117	148514	16.519	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	575250	21.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40855	19.881	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	271446	18.232	ug/l	98
94) Hexachlorobutadiene	15.01	225	164499	15.895	ug/l	98
95) Naphthalene	15.13	128	661823	21.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	289382	20.046	ug/l	99

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

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