

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054389.D
 Acq On : 18 Mar 2019 13:05
 Operator : JC/SP
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:52 AM

Quant Time: Mar 19 05:59:51 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	1199542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1852036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	681891	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	7.59	113	633801	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.09	98	2264432	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	735066	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	236516	20.804	ug/l	98
3) Chloromethane	2.06	50	218933	19.825	ug/l	100
4) Vinyl Chloride	2.19	62	252672	20.018	ug/l	100
5) Bromomethane	2.57	94	146769	16.789	ug/l	99
6) Chloroethane	2.71	64	153220	20.063	ug/l	100
7) Trichlorofluoromethane	3.02	101	326310	19.445	ug/l	98
8) Diethyl Ether	3.41	74	168257	22.002	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	265776	21.135	ug/l	99
10) Methyl Iodide	3.94	142	322296	19.004	ug/l	100
11) Tert butyl alcohol	4.82	59	76736	87.866	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	260829	20.930	ug/l	99
13) Acrolein	3.61	56	66617	80.499	ug/l	97
14) Allyl chloride	4.32	41	320845	20.066	ug/l	98
15) Acrylonitrile	5.00	53	406191	113.228	ug/l	99
16) Acetone	3.82	43	296203	81.207	ug/l	97
17) Carbon Disulfide	4.04	76	513836	16.448	ug/l	99
18) Methyl Acetate	4.33	43	192062	26.026	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	675784	21.878	ug/l	99
20) Methylene Chloride	4.55	84	259411	21.660	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	247335	20.715	ug/l	99
22) Diisopropyl ether	5.96	45	697063	21.844	ug/l	98
23) Vinyl Acetate	5.90	43	2406598	102.285	ug/l	100
24) 1,1-Dichloroethane	5.85	63	445594	21.747	ug/l	99
25) 2-Butanone	6.85	43	459493	107.331	ug/l	98
26) 2,2-Dichloropropane	6.82	77	304623	16.906	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	294080	22.077	ug/l	97
28) Bromochloromethane	7.19	49	182072	21.736	ug/l	98
29) Tetrahydrofuran	7.22	42	294881	107.129	ug/l	98
30) Chloroform	7.37	83	474650	22.200	ug/l	99
31) Cyclohexane	7.65	56	399042	20.097	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	398301	20.627	ug/l	99
36) 1,1-Dichloropropene	7.79	75	337187	19.770	ug/l	100
37) Ethyl Acetate	6.94	43	203848	20.801	ug/l	99
38) Carbon Tetrachloride	7.77	117	342367	19.142	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	381519	18.181	ug/l	99
40) Benzene	8.04	78	1032644	21.158	ug/l	100
41) Methacrylonitrile	7.17	41	110361	19.723	ug/l	93
42) 1,2-Dichloroethane	8.13	62	349064	21.184	ug/l	100
43) Isopropyl Acetate	8.17	43	331514	19.272	ug/l	98
44) Trichloroethene	8.83	130	312022	20.580	ug/l	96
45) 1,2-Dichloropropane	9.12	63	262429	21.654	ug/l	98
46) Dibromomethane	9.21	93	170771	20.855	ug/l	100
47) Bromodichloromethane	9.40	83	337938	20.586	ug/l	97
48) Methyl methacrylate	9.20	41	181400	20.780	ug/l	98
49) 1,4-Dioxane	9.20	88	43370	351.235	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	974494	107.049	ug/l	99
52) Toluene	10.16	92	652189	21.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	294303	17.038	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	364550	19.057	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	247966	21.944	ug/l	98
56) Ethyl methacrylate	10.43	69	285453	21.186	ug/l	95
57) 1,3-Dichloropropane	10.71	76	394502	21.351	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	527795	101.043	ug/l	99
59) 2-Hexanone	10.75	43	593768	98.026	ug/l	98
60) Dibromochloromethane	10.90	129	246195	19.357	ug/l	100
61) 1,2-Dibromoethane	11.01	107	245665	21.394	ug/l	100
64) Tetrachloroethene	10.63	164	307828	19.874	ug/l	99
65) Chlorobenzene	11.43	112	747570	21.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	264725	20.716	ug/l	97
67) Ethyl Benzene	11.51	91	1212118	20.787	ug/l	100
68) m/p-Xylenes	11.62	106	954809	41.895	ug/l	100
69) o-Xylene	11.95	106	479349	21.576	ug/l	97
70) Styrene	11.96	104	719369	20.646	ug/l	99
71) Bromoform	12.13	173	155849	17.598	ug/l #	100
73) Isopropylbenzene	12.25	105	1226767	22.308	ug/l	99
74) N-amyl acetate	12.07	43	257891	21.128	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	280972	23.981	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226293m	22.388	ug/l	
77) Bromobenzene	12.53	156	350082	24.058	ug/l	90
78) n-propylbenzene	12.59	91	1294095	21.688	ug/l	100
79) 2-Chlorotoluene	12.67	91	803153	22.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	983706	21.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42601	14.408	ug/l #	81
82) 4-Chlorotoluene	12.77	91	775786	21.655	ug/l	99
83) tert-Butylbenzene	12.99	119	902057	21.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	994189	22.155	ug/l	99
85) sec-Butylbenzene	13.17	105	1110795	20.344	ug/l	99
86) p-Isopropyltoluene	13.29	119	946903	19.768	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	525853	21.446	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	503715	20.912	ug/l	99
89) n-Butylbenzene	13.61	91	657641	18.069	ug/l	100
90) Hexachloroethane	13.87	117	143584	18.102	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	533875	22.272	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37089	20.457	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222703	17.131	ug/l	100
94) Hexachlorobutadiene	15.01	225	150890	16.526	ug/l	99
95) Naphthalene	15.13	128	509715	19.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	232618	18.264	ug/l	98

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

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