

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058922.D
 Acq On : 23 Oct 2019 12:28
 Operator : JC/SP
 Sample : VN1024WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:28 PM

Quant Time: Oct 24 01:34:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	341291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	549891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	514892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	251599	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	178330	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.08	98	682800	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.40	95	244379	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79752	18.742	ug/l	100
3) Chloromethane	2.04	50	96929	18.392	ug/l	99
4) Vinyl Chloride	2.17	62	99655	19.044	ug/l	99
5) Bromomethane	2.55	94	62873	19.187	ug/l	95
6) Chloroethane	2.68	64	63557	18.940	ug/l	97
7) Trichlorofluoromethane	3.00	101	126998	19.615	ug/l	98
8) Diethyl Ether	3.39	74	42849	19.151	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68636	19.122	ug/l	97
10) Methyl Iodide	3.93	142	88659	18.780	ug/l	99
11) Tert butyl alcohol	4.76	59	74337	89.492	ug/l	100
12) 1,1-Dichloroethene	3.72	96	63767	18.953	ug/l	94
13) Acrolein	3.58	56	41622	72.926	ug/l	98
14) Allyl chloride	4.30	41	126942	18.646	ug/l	97
15) Acrylonitrile	4.96	53	201888	96.624	ug/l	100
16) Acetone	3.79	43	218201	88.217	ug/l	97
17) Carbon Disulfide	4.03	76	194680	17.963	ug/l	100
18) Methyl Acetate	4.30	43	105142	18.697	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	229618	19.491	ug/l	99
20) Methylene Chloride	4.53	84	79822	18.900	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	70323	18.926	ug/l	94
22) Diisopropyl ether	5.93	45	265223	19.917	ug/l	100
23) Vinyl Acetate	5.87	43	1092505	102.114	ug/l	100
24) 1,1-Dichloroethane	5.82	63	149189	19.321	ug/l	100
25) 2-Butanone	6.81	43	292242	91.018	ug/l	100
26) 2,2-Dichloropropane	6.80	77	126699	18.970	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	80709	19.015	ug/l	99
28) Bromochloromethane	7.18	49	48097	18.703	ug/l	98
29) Tetrahydrofuran	7.19	42	186706	95.056	ug/l	99
30) Chloroform	7.35	83	148414	19.161	ug/l	97
31) Cyclohexane	7.64	56	129184	17.959	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	126387	19.359	ug/l	99
36) 1,1-Dichloropropene	7.78	75	105991	18.827	ug/l	99
37) Ethyl Acetate	6.91	43	116844	19.048	ug/l	98
38) Carbon Tetrachloride	7.76	117	109744	18.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112356	17.774	ug/l	97
40) Benzene	8.02	78	318794	19.284	ug/l	97
41) Methacrylonitrile	7.16	41	49404m	18.083	ug/l	
42) 1,2-Dichloroethane	8.11	62	123994	19.471	ug/l	97
43) Isopropyl Acetate	8.15	43	185025	18.807	ug/l #	92
44) Trichloroethene	8.82	130	77755	19.308	ug/l	94
45) 1,2-Dichloropropane	9.11	63	88346	19.489	ug/l	100
46) Dibromomethane	9.20	93	54585	19.047	ug/l	99
47) Bromodichloromethane	9.39	83	113692	19.248	ug/l	99
48) Methyl methacrylate	9.19	41	84130	18.848	ug/l	99
49) 1,4-Dioxane	9.19	88	27324	372.911	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	591037	102.855	ug/l	99
52) Toluene	10.15	92	193019	19.689	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	123779	18.930	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	134334	19.230	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	78587	19.459	ug/l	99
56) Ethyl methacrylate	10.43	69	113514	18.128	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138342	19.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	250316	91.064	ug/l	100
59) 2-Hexanone	10.75	43	434670	97.891	ug/l	98
60) Dibromochloromethane	10.90	129	83356	19.176	ug/l	98
61) 1,2-Dibromoethane	11.00	107	79711	19.286	ug/l	99
64) Tetrachloroethene	10.63	164	68596	19.023	ug/l	98
65) Chlorobenzene	11.43	112	203284	19.393	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	77771	19.661	ug/l	99
67) Ethyl Benzene	11.51	91	360174	19.587	ug/l	96
68) m/p-Xylenes	11.62	106	266176	39.032	ug/l	99
69) o-Xylene	11.95	106	125675	19.323	ug/l	100
70) Styrene	11.97	104	204864	18.193	ug/l	99
71) Bromoform	12.13	173	57110	18.618	ug/l #	99
73) Isopropylbenzene	12.25	105	349118	20.094	ug/l	100
74) N-amyl acetate	12.07	43	150130	19.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	120109	19.661	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	113910m	20.674	ug/l	
77) Bromobenzene	12.53	156	84088	19.636	ug/l	98
78) n-propylbenzene	12.59	91	408910	19.911	ug/l	100
79) 2-Chlorotoluene	12.68	91	248723	19.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	295831	20.266	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39790	18.813	ug/l	98
82) 4-Chlorotoluene	12.78	91	250397	19.494	ug/l	99
83) tert-Butylbenzene	13.00	119	247516	19.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294219	20.435	ug/l	99
85) sec-Butylbenzene	13.18	105	335865	20.181	ug/l	100
86) p-Isopropyltoluene	13.29	119	292207	19.899	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	149227	19.488	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	144993	18.913	ug/l	96
89) n-Butylbenzene	13.62	91	257168	19.064	ug/l	99
90) Hexachloroethane	13.88	117	57692	19.388	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	147371	19.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25478	18.439	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	75366	17.626	ug/l	98
94) Hexachlorobutadiene	15.01	225	45679	18.726	ug/l	100
95) Naphthalene	15.13	128	208562	16.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76012	18.085	ug/l	100

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

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