

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059305.D
 Acq On : 19 Nov 2019 14:15
 Operator : JC/SP
 Sample : VN1119WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS03

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:17 PM

Quant Time: Nov 20 02:33:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	420055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	580204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	209027	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
35) Dibromofluoromethane	7.57	113	171575	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	
50) Toluene-d8	10.08	98	633679	41.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.30%	
62) 4-Bromofluorobenzene	12.40	95	232332	41.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88424	20.893	ug/l	98
3) Chloromethane	2.04	50	100779	17.518	ug/l	99
4) Vinyl Chloride	2.17	62	105482	18.911	ug/l	98
5) Bromomethane	2.54	94	59192	18.441	ug/l	99
6) Chloroethane	2.68	64	54805	16.610	ug/l	99
7) Trichlorofluoromethane	3.00	101	105100	15.754	ug/l	99
8) Diethyl Ether	3.39	74	44453	16.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	65887	16.380	ug/l	99
10) Methyl Iodide	3.93	142	74400	14.943	ug/l	98
11) Tert butyl alcohol	4.75	59	77260	78.511	ug/l	98
12) 1,1-Dichloroethene	3.71	96	65236	16.648	ug/l	96
13) Acrolein	3.58	56	28620	56.409	ug/l	98
14) Allyl chloride	4.29	41	124099	15.418	ug/l	97
15) Acrylonitrile	4.95	53	193259	78.914	ug/l	98
16) Acetone	3.79	43	185630	69.132	ug/l	100
17) Carbon Disulfide	4.03	76	211155	17.359	ug/l	99
18) Methyl Acetate	4.30	43	111352	17.471	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	217675	16.135	ug/l	99
20) Methylene Chloride	4.53	84	75669	16.176	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	71066	16.896	ug/l	96
22) Diisopropyl ether	5.92	45	235504	15.490	ug/l	96
23) Vinyl Acetate	5.87	43	930732	78.990	ug/l	100
24) 1,1-Dichloroethane	5.82	63	134040	15.785	ug/l	97
25) 2-Butanone	6.81	43	258119	72.938	ug/l	97
26) 2,2-Dichloropropane	6.80	77	111888	15.069	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	78598	16.107	ug/l	99
28) Bromochloromethane	7.17	49	35783	14.007	ug/l	95
29) Tetrahydrofuran	7.19	42	178033	79.175	ug/l	99
30) Chloroform	7.35	83	130304	15.997	ug/l	98
31) Cyclohexane	7.63	56	129680	16.132	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	108962	15.910	ug/l	99
36) 1,1-Dichloropropene	7.77	75	99162	16.202	ug/l	99
37) Ethyl Acetate	6.91	43	104654	15.371	ug/l	99
38) Carbon Tetrachloride	7.75	117	95346	15.652	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	121680	17.131	ug/l	97
40) Benzene	8.02	78	299929	16.274	ug/l	100
41) Methacrylonitrile	7.16	41	45978m	15.530	ug/l	
42) 1,2-Dichloroethane	8.10	62	101748	16.097	ug/l	100
43) Isopropyl Acetate	8.15	43	159931	14.734	ug/l	98
44) Trichloroethene	8.82	130	74185	16.375	ug/l	99
45) 1,2-Dichloropropane	9.10	63	77904	15.562	ug/l	100
46) Dibromomethane	9.19	93	48735	15.623	ug/l	97
47) Bromodichloromethane	9.39	83	96270	15.455	ug/l	97
48) Methyl methacrylate	9.18	41	72465	14.925	ug/l	98
49) 1,4-Dioxane	9.19	88	27502	318.740	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	502658	81.843	ug/l	100
52) Toluene	10.15	92	181159	16.400	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	111153	15.445	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	121550	15.702	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	69838	15.622	ug/l	99
56) Ethyl methacrylate	10.42	69	101205	14.938	ug/l	99
57) 1,3-Dichloropropane	10.70	76	122734	15.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	140589	56.507	ug/l	99
59) 2-Hexanone	10.74	43	367166	77.887	ug/l	99
60) Dibromochloromethane	10.90	129	71786	15.187	ug/l	99
61) 1,2-Dibromoethane	11.00	107	72677	16.059	ug/l	99
64) Tetrachloroethene	10.63	164	65290	16.549	ug/l	98
65) Chlorobenzene	11.43	112	187252	16.556	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	67816	15.984	ug/l	98
67) Ethyl Benzene	11.51	91	336554	16.771	ug/l	99
68) m/p-Xylenes	11.62	106	250520	33.327	ug/l	98
69) o-Xylene	11.95	106	119805	16.492	ug/l	99
70) Styrene	11.96	104	184726	16.169	ug/l	99
71) Bromoform	12.12	173	51486	15.601	ug/l #	99
73) Isopropylbenzene	12.25	105	319147	16.789	ug/l	100
74) N-amyl acetate	12.07	43	121225	15.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	104195	16.095	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	95135m	15.990	ug/l	
77) Bromobenzene	12.53	156	76835	16.088	ug/l	98
78) n-propylbenzene	12.59	91	362615	16.660	ug/l	99
79) 2-Chlorotoluene	12.68	91	218616	16.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	267026	16.578	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34514	15.322	ug/l	95
82) 4-Chlorotoluene	12.77	91	223498	16.503	ug/l	100
83) tert-Butylbenzene	12.99	119	227939	16.386	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	260203	16.697	ug/l	99
85) sec-Butylbenzene	13.17	105	302316	16.711	ug/l	100
86) p-Isopropyltoluene	13.29	119	265514	16.622	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132982	16.260	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	130375	15.933	ug/l	100
89) n-Butylbenzene	13.62	91	226805	16.223	ug/l	100
90) Hexachloroethane	13.88	117	49072	15.299	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	129752	16.128	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20613	15.978	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68843	16.291	ug/l	99
94) Hexachlorobutadiene	15.01	225	46990	16.939	ug/l	99
95) Naphthalene	15.13	128	185186	15.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	68803	15.260	ug/l	99

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

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