

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059671.D
 Acq On : 19 Dec 2019 15:03
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:36 AM

Quant Time: Dec 20 03:29:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	253778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	371236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	162130	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
35) Dibromofluoromethane	7.57	113	112427	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	10.08	98	444141	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
62) 4-Bromofluorobenzene	12.40	95	156127	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79954	24.381	ug/l	98
3) Chloromethane	2.04	50	86321	16.587	ug/l	100
4) Vinyl Chloride	2.17	62	83758	16.972	ug/l	96
5) Bromomethane	2.54	94	60807	21.195	ug/l	98
6) Chloroethane	2.68	64	59118	21.315	ug/l	97
7) Trichlorofluoromethane	3.00	101	93895	17.341	ug/l	97
8) Diethyl Ether	3.39	74	43646	25.799	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	66021	24.196	ug/l	99
10) Methyl Iodide	3.92	142	98906	27.380	ug/l	97
11) Tert butyl alcohol	4.76	59	90166	133.181	ug/l	98
12) 1,1-Dichloroethene	3.71	96	62035	23.306	ug/l	92
13) Acrolein	3.58	56	45302	93.936	ug/l	100
14) Allyl chloride	4.29	41	148449	27.167	ug/l	94
15) Acrylonitrile	4.96	53	243570	148.734	ug/l	99
16) Acetone	3.79	43	188923	86.169	ug/l	99
17) Carbon Disulfide	4.02	76	244548	26.850	ug/l	100
18) Methyl Acetate	4.29	43	128633	27.999	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	257520	27.401	ug/l	100
20) Methylene Chloride	4.52	84	81991	25.894	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	77939	26.265	ug/l	98
22) Diisopropyl ether	5.92	45	236801	23.506	ug/l	96
23) Vinyl Acetate	5.86	43	997121	126.127	ug/l	99
24) 1,1-Dichloroethane	5.82	63	129617	22.714	ug/l	100
25) 2-Butanone	6.81	43	259613	99.022	ug/l	99
26) 2,2-Dichloropropane	6.80	77	117214	22.600	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	73701	22.414	ug/l	98
28) Bromochloromethane	7.17	49	56492	23.807	ug/l	97
29) Tetrahydrofuran	7.19	42	177488	111.110	ug/l	98
30) Chloroform	7.35	83	125905	22.415	ug/l	98
31) Cyclohexane	7.63	56	117214	21.739	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	111573	22.032	ug/l	99
36) 1,1-Dichloropropene	7.77	75	96084	22.933	ug/l	98
37) Ethyl Acetate	6.90	43	109982	22.586	ug/l	100
38) Carbon Tetrachloride	7.75	117	96287	22.147	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	107991	22.724	ug/l	98
40) Benzene	8.02	78	277828	22.691	ug/l	99
41) Methacrylonitrile	7.15	41	35787m	17.807	ug/l	
42) 1,2-Dichloroethane	8.10	62	107552	22.937	ug/l	100
43) Isopropyl Acetate	8.14	43	173738	22.948	ug/l	100
44) Trichloroethene	8.82	130	71006	22.140	ug/l	99
45) 1,2-Dichloropropane	9.10	63	75637	22.876	ug/l	99
46) Dibromomethane	9.19	93	48309	22.302	ug/l	98
47) Bromodichloromethane	9.39	83	98782	22.873	ug/l	99
48) Methyl methacrylate	9.18	41	76460	22.260	ug/l	99
49) 1,4-Dioxane	9.19	88	20066	407.647	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	535217	118.570	ug/l	100
52) Toluene	10.14	92	166446	22.125	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	112513	22.526	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	117506	22.381	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	67554	22.883	ug/l	98
56) Ethyl methacrylate	10.42	69	98883	22.563	ug/l	100
57) 1,3-Dichloropropane	10.70	76	119810	23.309	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160006	114.798	ug/l	99
59) 2-Hexanone	10.74	43	392282	110.267	ug/l	98
60) Dibromochloromethane	10.89	129	72708	22.566	ug/l	98
61) 1,2-Dibromoethane	11.00	107	68649	21.927	ug/l	99
64) Tetrachloroethene	10.62	164	67968	19.640	ug/l	99
65) Chlorobenzene	11.43	112	176455	21.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	67954	22.272	ug/l	99
67) Ethyl Benzene	11.50	91	323885	22.338	ug/l	100
68) m/p-Xylenes	11.62	106	235222	43.933	ug/l	100
69) o-Xylene	11.94	106	113449	22.269	ug/l	99
70) Styrene	11.96	104	175506	21.442	ug/l	98
71) Bromoform	12.12	173	50729	22.119	ug/l #	98
73) Isopropylbenzene	12.25	105	294432	22.016	ug/l	100
74) N-amyl acetate	12.07	43	131491	21.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96932	22.849	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97778m	23.184	ug/l	
77) Bromobenzene	12.52	156	71609	21.773	ug/l	99
78) n-propylbenzene	12.59	91	357065	22.586	ug/l	100
79) 2-Chlorotoluene	12.67	91	210053	21.973	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	255622	22.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36795	21.548	ug/l	98
82) 4-Chlorotoluene	12.77	91	214377	21.902	ug/l	99
83) tert-Butylbenzene	12.99	119	213324	22.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255938	22.743	ug/l	100
85) sec-Butylbenzene	13.17	105	291875	22.893	ug/l	98
86) p-Isopropyltoluene	13.28	119	256843	22.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126268	20.878	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	125932	20.653	ug/l	99
89) n-Butylbenzene	13.61	91	228585	21.115	ug/l	99
90) Hexachloroethane	13.87	117	49218	22.550	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	124112	20.809	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	22813	20.278	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69496	18.044	ug/l	97
94) Hexachlorobutadiene	15.00	225	39821	20.085	ug/l	99
95) Naphthalene	15.12	128	205242	17.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	71706	18.408	ug/l	99

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

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