

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059594.D
 Acq On : 13 Dec 2019 19:18
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121319

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:49:21 PM

Quant Time: Dec 13 23:30:20 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	271042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	435468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	402383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	187982	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.57	113	128794	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
50) Toluene-d8	10.08	98	524242	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	191333	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	165355	47.212	ug/l	98
3) Chloromethane	2.04	50	259043	46.607	ug/l	99
4) Vinyl Chloride	2.17	62	253422	48.082	ug/l	99
5) Bromomethane	2.53	94	147969	48.292	ug/l	100
6) Chloroethane	2.68	64	136944	46.230	ug/l	99
7) Trichlorofluoromethane	2.99	101	288180	49.833	ug/l	99
8) Diethyl Ether	3.38	74	90262	49.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	140748	48.296	ug/l	100
10) Methyl Iodide	3.92	142	194698	50.465	ug/l	99
11) Tert butyl alcohol	4.75	59	153779	212.674	ug/l	99
12) 1,1-Dichloroethene	3.71	96	134484	47.306	ug/l	95
13) Acrolein	3.58	56	120439	233.830	ug/l	98
14) Allyl chloride	4.29	41	271487	46.519	ug/l	99
15) Acrylonitrile	4.95	53	437542	250.164	ug/l	100
16) Acetone	3.78	43	508889	217.323	ug/l	99
17) Carbon Disulfide	4.02	76	424847	43.507	ug/l	100
18) Methyl Acetate	4.29	43	231259	47.131	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	493764	49.191	ug/l	98
20) Methylene Chloride	4.52	84	158990	47.013	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	151242	47.722	ug/l	99
22) Diisopropyl ether	5.92	45	536355	49.851	ug/l	98
23) Vinyl Acetate	5.86	43	2090134	247.544	ug/l	100
24) 1,1-Dichloroethane	5.82	63	299660	49.167	ug/l	100
25) 2-Butanone	6.80	43	673027	240.355	ug/l	99
26) 2,2-Dichloropropane	6.80	77	268584	48.488	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	174504	49.691	ug/l	100
28) Bromochloromethane	7.17	49	103779	40.611	ug/l	98
29) Tetrahydrofuran	7.18	42	414299	242.837	ug/l	99
30) Chloroform	7.35	83	293874	48.986	ug/l	100
31) Cyclohexane	7.63	56	273409	47.477	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	263651	48.747	ug/l	99
36) 1,1-Dichloropropene	7.77	75	229798	50.602	ug/l	99
37) Ethyl Acetate	6.90	43	261155	49.478	ug/l	100
38) Carbon Tetrachloride	7.75	117	233195	49.486	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	265240	51.491	ug/l	99
40) Benzene	8.02	78	657976	49.578	ug/l	100
41) Methacrylonitrile	7.15	41	116859m	53.647	ug/l	
42) 1,2-Dichloroethane	8.10	62	250430	49.273	ug/l	100
43) Isopropyl Acetate	8.14	43	417674	50.898	ug/l	100
44) Trichloroethene	8.82	130	171517	49.340	ug/l	98
45) 1,2-Dichloropropane	9.10	63	179012	49.951	ug/l	98
46) Dibromomethane	9.19	93	114747	48.872	ug/l	97
47) Bromodichloromethane	9.39	83	235731	50.358	ug/l	99
48) Methyl methacrylate	9.18	41	186988	50.223	ug/l	100
49) 1,4-Dioxane	9.18	88	45515	853.065	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1287828	263.213	ug/l	100
52) Toluene	10.14	92	405722	49.755	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	271831	50.210	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	284702	50.028	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	159701	49.909	ug/l	99
56) Ethyl methacrylate	10.42	69	253222	53.307	ug/l	99
57) 1,3-Dichloropropane	10.70	76	279381	50.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	299898	198.506	ug/l	99
59) 2-Hexanone	10.74	43	1019020	264.261	ug/l	99
60) Dibromochloromethane	10.90	129	177395	50.795	ug/l	99
61) 1,2-Dibromoethane	11.00	107	170868	50.351	ug/l	98
64) Tetrachloroethene	10.62	164	194736	51.916	ug/l	99
65) Chlorobenzene	11.43	112	428523	49.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	162535	49.148	ug/l	99
67) Ethyl Benzene	11.51	91	793524	50.492	ug/l	99
68) m/p-Xylenes	11.62	106	590162	101.694	ug/l	99
69) o-Xylene	11.94	106	282044	51.077	ug/l	99
70) Styrene	11.96	104	458232	51.649	ug/l	99
71) Bromoform	12.12	173	128711	51.776	ug/l #	98
73) Isopropylbenzene	12.25	105	760198	49.546	ug/l	99
74) N-amyl acetate	12.07	43	359007	51.010	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	234173	48.114	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234488m	48.462	ug/l	
77) Bromobenzene	12.53	156	178553	47.320	ug/l	98
78) n-propylbenzene	12.59	91	910646	50.209	ug/l	100
79) 2-Chlorotoluene	12.67	91	534556	48.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	650979	50.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	94667	48.323	ug/l	98
82) 4-Chlorotoluene	12.77	91	557082	49.610	ug/l	99
83) tert-Butylbenzene	12.99	119	543083	49.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	655300	50.756	ug/l	100
85) sec-Butylbenzene	13.17	105	746055	51.006	ug/l	99
86) p-Isopropyltoluene	13.29	119	680098	51.338	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	331619	47.795	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	327666	46.839	ug/l	99
89) n-Butylbenzene	13.62	91	627168	50.496	ug/l	99
90) Hexachloroethane	13.87	117	125465	50.104	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	325073	47.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57271	43.342	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	200039	45.272	ug/l	99
94) Hexachlorobutadiene	15.01	225	102314	44.263	ug/l	99
95) Naphthalene	15.12	128	589237	44.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	190965	42.731	ug/l	99

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

