

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059535.D
 Acq On : 9 Dec 2019 18:25
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN120919

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:11:03 PM

Quant Time: Dec 10 02:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	276172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	401785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	190748	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.57	113	138130	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.08	98	532678	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.40	95	195121	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	138424	43.456	ug/l	98
3) Chloromethane	2.04	50	210544	43.664	ug/l	99
4) Vinyl Chloride	2.17	62	214018	45.030	ug/l	100
5) Bromomethane	2.53	94	127506	44.045	ug/l	100
6) Chloroethane	2.67	64	125727	44.300	ug/l	96
7) Trichlorofluoromethane	3.00	101	261358	46.001	ug/l	99
8) Diethyl Ether	3.39	74	107511	55.216	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	126528	42.792	ug/l	98
10) Methyl Iodide	3.92	142	173775	43.403	ug/l	100
11) Tert butyl alcohol	4.75	59	146659	229.671	ug/l	99
12) 1,1-Dichloroethene	3.71	96	124513	43.317	ug/l	96
13) Acrolein	3.58	56	106865	343.902	ug/l	99
14) Allyl chloride	4.29	41	250457	45.295	ug/l	99
15) Acrylonitrile	4.95	53	401756	238.548	ug/l	99
16) Acetone	3.79	43	366648	203.344	ug/l	100
17) Carbon Disulfide	4.03	76	406715	44.565	ug/l	100
18) Methyl Acetate	4.30	43	209905	44.340	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	450005	47.097	ug/l	99
20) Methylene Chloride	4.52	84	146053	44.922	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	139643	45.263	ug/l	98
22) Diisopropyl ether	5.92	45	496323	47.150	ug/l	97
23) Vinyl Acetate	5.87	43	2156498	245.591	ug/l	99
24) 1,1-Dichloroethane	5.82	63	273377	45.742	ug/l	100
25) 2-Butanone	6.81	43	571198	235.349	ug/l	100
26) 2,2-Dichloropropane	6.80	77	242147	44.848	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	158934	45.801	ug/l	100
28) Bromochloromethane	7.17	49	118901	51.979	ug/l	98
29) Tetrahydrofuran	7.19	42	382109	226.341	ug/l	99
30) Chloroform	7.35	83	268656	45.547	ug/l	96
31) Cyclohexane	7.63	56	251157	43.183	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	239045	45.683	ug/l	100
36) 1,1-Dichloropropene	7.77	75	210014	44.559	ug/l	99
37) Ethyl Acetate	6.91	43	233410	42.700	ug/l	99
38) Carbon Tetrachloride	7.75	117	209918	45.186	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	241764	45.730	ug/l	97
40) Benzene	8.02	78	594633	44.164	ug/l	100
41) Methacrylonitrile	7.16	41	105594m	46.102	ug/l	
42) 1,2-Dichloroethane	8.10	62	232683	46.383	ug/l	100
43) Isopropyl Acetate	8.15	43	375013	46.094	ug/l	99
44) Trichloroethene	8.82	130	150791	44.331	ug/l	97
45) 1,2-Dichloropropane	9.10	63	160925	45.118	ug/l	99
46) Dibromomethane	9.20	93	104776	44.449	ug/l	99
47) Bromodichloromethane	9.39	83	213371	45.546	ug/l	100
48) Methyl methacrylate	9.19	41	169195	47.562	ug/l	100
49) 1,4-Dioxane	9.19	88	42321	929.827	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1147485	221.886	ug/l	99
52) Toluene	10.15	92	368481	45.932	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	249320	45.677	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	260082	46.556	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	155847	48.034	ug/l	98
56) Ethyl methacrylate	10.42	69	225908	40.826	ug/l	99
57) 1,3-Dichloropropane	10.70	76	254219	45.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	286050	215.211	ug/l	99
59) 2-Hexanone	10.75	43	863018	218.852	ug/l	99
60) Dibromochloromethane	10.90	129	159819	41.455	ug/l	100
61) 1,2-Dibromoethane	11.00	107	152587	45.175	ug/l	99
64) Tetrachloroethene	10.63	164	134055	45.652	ug/l	98
65) Chlorobenzene	11.43	112	405990	48.225	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	165077	52.574	ug/l	100
67) Ethyl Benzene	11.51	91	807926	53.331	ug/l	99
68) m/p-Xylenes	11.62	106	588758	103.600	ug/l	98
69) o-Xylene	11.95	106	249374	47.145	ug/l	95
70) Styrene	11.96	104	407452	46.496	ug/l	97
71) Bromoform	12.13	173	115640	46.807	ug/l #	99
73) Isopropylbenzene	12.25	105	682918	46.290	ug/l	99
74) N-amyl acetate	12.07	43	312549	48.635	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	219312	43.870	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	219066m	43.555	ug/l	
77) Bromobenzene	12.53	156	160612	43.729	ug/l	94
78) n-propylbenzene	12.59	91	822198	45.352	ug/l	99
79) 2-Chlorotoluene	12.67	91	476008	44.033	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	576921	45.602	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	85548	45.762	ug/l	90
82) 4-Chlorotoluene	12.77	91	499164	45.158	ug/l	99
83) tert-Butylbenzene	12.99	119	493812	46.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	573702	45.926	ug/l	100
85) sec-Butylbenzene	13.17	105	673855	46.503	ug/l	100
86) p-Isopropyltoluene	13.29	119	606666	46.842	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293793	43.428	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	295536	44.616	ug/l	100
89) n-Butylbenzene	13.62	91	578814	47.596	ug/l	99
90) Hexachloroethane	13.88	117	114560	48.164	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	285770	45.013	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51475	45.116	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	191627	43.641	ug/l	99
94) Hexachlorobutadiene	15.01	225	98041	43.704	ug/l	99
95) Naphthalene	15.13	128	566398	44.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	187854	44.215	ug/l	99

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

